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**S. & W. Dahlia-flowered
ZINNIAS**

1. CANARY BIRD. Very large flowers of clear yellow.
 2. SCARLET FLAME. Bright scarlet, blended with orange.
 3. EXQUISITE. Light rose, with deep rose center.
 4. ORIOLE. A striking two-color flower—orange and gold.
 5. DREAM. Deep lavender-blue—a remarkable shade.
 6. CRIMSON MONARCH. Immense flowers of flaming crimson.
- Each, pkt. 20 cts., 1/4oz. 60 cts., oz. \$2

**Special Offer
Collection**

One pkt.
each of above
6 colors,

\$1

1/4oz. each of 6
colors, \$3.25

*Seed Annual
for 1945*

Stump & Walter Co.
NEW YORK 8, N. Y.

Newer and Unusual VEGETABLES

Here are improved types that are more delicious or more resistant to plant diseases. Also some unusual kinds that you may wish to try for the first time. You will find them described elsewhere in this Catalogue.

Broccoli, Italian Market. Pkt. 25c, 1/4oz. 65c, 1/2oz. \$1
Celery, Summer Pascal. Pkt. 25c, 1/4oz. \$1.50, 1/2oz. \$2.75
Beet, Winter Keeper. Pkt. 15c, oz. 50c
Corn, Honey Cross. Pkt. 20c, 1/2lb. 40c, lb. 70c, 5 lbs. \$3
Beans, Plentiful. Pkt. 15c, 1/2lb. 30c, lb. 50c, 5 lbs. \$2.25
Carrot, Streamliner. Pkt. 15c, 1/2oz. 35c, oz. 60c, 1/4lb. \$1.80
Tomato, Victor. Pkt. 20c, 1/2oz. 65c, oz. \$1.10
Tomato, Jubilee. Orange yellow. Pkt. 25c
Lettuce, Oakleaf (Summer Triumph). Pkt. 20c, oz. 65c

The above are shown here; following not illustrated

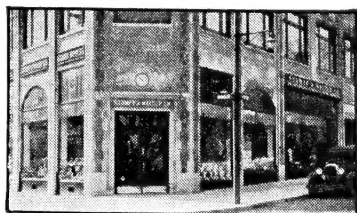
Chinese Celery Cabbage, Pe Tsai. Pkt. 10c, 1/2oz. 40c, oz. 70c
Corn, Golden Midget. Pkt. \$1
Dandelion, Catalogna. Pkt. 15c, 1/2oz. 45c, oz. 85c, 1/4lb. \$2.50
Squash, Zucchini. Pkt. 10c, oz. 40c, 1/4lb. \$1.15, lb. \$2.75
Swiss Chard, Rhubarb. Red leaves. Pkt. 20c
Tomato, S. & W. Climbing. Delicious flavor; runs 15 feet or more; heavy yielder. Pkt. 25c

COLLECTION E: Pkt. each above 15 new and unusual
Vegetables **\$3.25**
(value \$3.60)

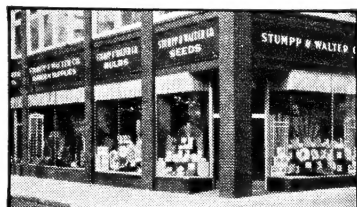


The Stumpp & Walter Co.

Forty-Seventh Annual Catalogue



Branch Store:
WHITE PLAINS, N. Y.
148-150 Mamaroneck Avenue,
at Post Road
Phones: White Plains 9260 and 9261

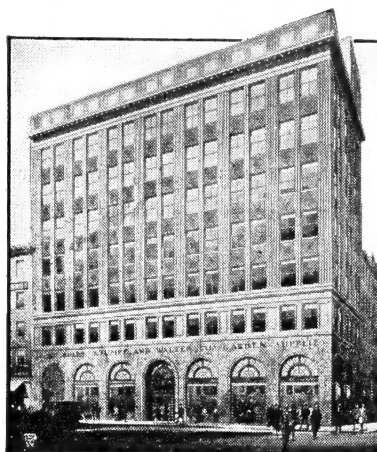


Branch Store: STAMFORD, CONN.
674-676 Main St., at Grove Street
Phone: Stamford 4-0125



Bulb Farm: ISLIP, L. I.
Visit us in late April, when Daffodils
are in bloom. No sales organization
maintained here.

Prices in
this
Catalogue
are
subject
to change
without
notice



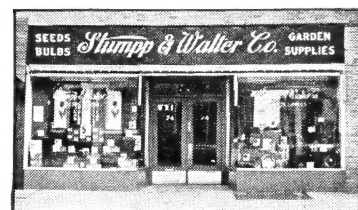
HEADQUARTERS BUILDING and STORE
132-138 Church Street, New York 8
Phone: BARclay 7-1110

All nine floors, seven above ground, two below, are devoted to our
business. Sub-basement and third floor are approved air-raid shelters
for the general public

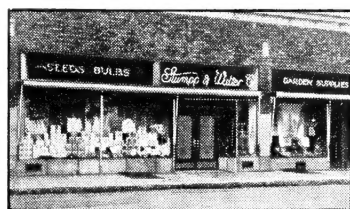
Please
send
orders and
inquiries
to our
New York
Head-
quarters



Branch Store: NEWARK, N. J.
29-31 Central Ave., at Halsey St.
Phones: Market 3-5595 and 3-5596



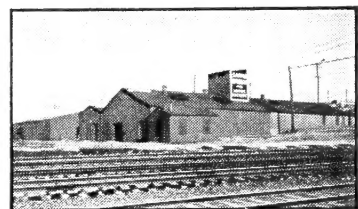
Branch Store: HEMPSTEAD, L. I.
74 N. Franklin St., near Fulton Ave.
Phone: Hempstead 792



Branch Store: ENGLEWOOD, N. J.
3-5-7 Grand Ave., at Palisade Ave.
Phone: Englewood 3-5596



Nursery: FARMINGDALE, L. I.
Sales Office on our 75-acre Farm
Phone: Farmingdale 791



Factory: JERSEY CITY, N. J.
Fertilizers, insecticides and fungi-
cides prepared and packed. No
sales organization maintained.

DELIVERIES

At Prices in this Catalogue

WE DELIVER FREE anywhere
in the U. S. seeds of Vegetables
and Flowers, Grasses, Mix-
tures for Lawns, Sports, Hay
and Pasture; also Bulbs,
Books and Perfumes.

WE DELIVER FREE within
50 miles most other merchan-
dise listed herein when your
order exceeds \$3. A few items
are EXCEPTED; on these the
purchaser pays for transpor-
tation. They are noted on the
following pages, and the list
includes Potatoes, certain
Farm Seeds, Field Corn, Clov-
ers, certain Implements, Fer-
tilizers, Insecticides, Fungi-
cides and Epicure Foods which
are f.o.b. our stores. See page
95 regarding non-shipment of
plants of Bedding Flowers and
Vegetables, and page 116 for
details regarding deliveries
generally.

NON-WARRANTY

We, Stumpp & Walter Co.,
give no warranty, express or im-
plied, as to the productiveness
of any seeds, bulbs or plants we
sell and will not be in any way
responsible for the crop. Our
liability in all instances is lim-
ited to the purchase price of the
seeds, bulbs or plants.

ONCE again our Seed Annual starts a new gardening year with
the cry of **HIGH QUALITY** in tested seeds, bulbs, and plants
for the garden, lawn, and farm, and the dependable plant-foods,
insecticides, and fertilizers that we offer to discriminating growers.

The arrival of this Catalogue will remind you that the time has
again come to think about **VICTORY GARDENS**, which will be
as badly needed in 1945 as ever. Largely through your patriotic
efforts there were no serious food shortages last year, and you will
want to continue growing vegetables; but along with them you will
grow flowers, shrubs, roses, and vines. We are ready to serve you,
as we have been for the past forty-seven years.

With our Catalogue comes an **APOLOGY**, if you are one of our
customers whose patience was sorely tried by delay with your order
of a year ago. We will do everything we can to see that it does not
happen again. Our excuse is not original: many of our best people
are with the Army and Navy, and the problem of delivery was a
hard one.

And now we ask you to help us: Please make out your order and
MAIL IT TO US NOW! If everyone will do this, we will be given
a few extra and precious weeks, our troubles due to labor shortage
will be much eased, and we can give you better service. Supplies
are likely to be short, so let us have your order quickly, and kindly
ACCEPT EARLY DELIVERIES. Practically all our goods will
keep quite well for a number of
weeks in your garage or cellar.

Sincerely and
respectfully,

G. O. Stumpp
President

We submit, for your considera-
tion, the **NEWEST** and **BEST** in

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**CEILING PRICE — Vegetable
Seeds, Farm Seeds, Food Prod-
ucts, Implements, Fertilizers,
Insecticides and Fungicides:**
"No price for any article listed or
described herein exceeds the ceil-
ing price for the article as deter-
mined under the applicable Maxi-
mum Price Regulation issued by
the Office of Price Administra-
tion. As required by that office,
we will, upon request, furnish you
with a statement of our maximum
prices on any of the commodities
about which you inquire."

Stumpp & Walter Co.

GEORGE O. STUMPP, President
WILLIAM A. SPERLING, Vice-Pres.
WILLARD L. ISAACS, Vice-Pres. & Treas.
THOMAS F. KEARNEY, Sec'y & Asst. Treas.
ALEX. E. SEHLMAYER, Asst. Sec'y

NEW YORK PHONES: BARclay 7-1110 (Ten trunk lines)

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132 - 138 Church Street
(At Warren Street)
NEW YORK 8, N. Y.
Near City Hall and Brooklyn Bridge



FOOD FIGHTS FOR FREEDOM—in Your 1945 Victory Garden

THIS YEAR'S QUOTA: 20,000,000 BETTER VICTORY GARDENS!

On October 25 the War Food Administration declared that 1944 victory gardeners have contributed materially to the nation's food supply. Thousands of tons of fruit and vegetables were freed for the armed services, and food of the highest quality has been furnished to their own families. Regardless of when the war ends, the need will continue for an abundant supply—as necessary for a proper diet in peace as in war.

For 1945 the WFA urges that everyone should have a garden who can, large enough for the family's food supply in fresh and preserved form, if possible. City and suburban families with available space, or with access to a plot, should again grow vegetables. They will gain in health, and the food which they will produce will add zest and variety to the daily meals. So let us have larger and better Victory Gardens till peace brings plenty.

VEGETABLE GROWING IS EASY

Nearby New York you can usually work in your garden, and your garden will usually work for you, for 243 days in the year.

This period of growing weather is made up of three parts, thus:
March 15 to April 30—45 days during which frosts may be expected. Only hardy vegetables will grow.

May 1 to October 15—168 days, during which frosts are rare. Tender vegetables may be grown; hardy vegetables also.

October 15 to November 15—30 days during which frosts may be expected. Only hardy vegetables will continue to grow.

START IN WINTER

BEGIN EARLY. Purchase your seeds as soon as you can, and buy the best. Sow the following indoors:

Plant these in February or March.
Transfer into the garden in April.
Broccoli Cabbage Cauliflower
Celery Lettuce

Plant these in March or April.
Transfer into the garden in May.
Eggplant Pepper Tomato

Seeds are placed in shallow boxes or flower-pots filled with sandy soil. When the seedlings show through, remove any that crowd. Keep at normal living-room temperature, give plenty of light, and water them as needed. When the fourth leaf has developed, transplant them into other boxes or pots 2 inches apart. Transfer them to the garden in April and May.

WHEN MARCH 15 ROLLS AROUND

TREAT YOUR SOIL GENEROUSLY. If it is either sandy or clay-like, when frost has left it and it is no longer muddy, spread Humus at the rate of 50 lbs. per 100 sq. ft. Next broadcast General Garden Fertilizer at 5 lbs. per 100 sq. ft.; use it even if you decide that the Humus is unnecessary. Dig, turning each spadeful, then rake smooth and plant.

SOW HARDY KINDS OUTDOORS. Frosts will not harm these: Beet, Carrot, Kohlrabi, Leek, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnip, Peas, Radish, Salsify, Spinach (true), Swiss Chard, Turnip.

SET OUT PLANTS OF HARDY KINDS. Those which you raise indoors, or purchase: Broccoli, Cabbage, Cauliflower, Celery, Lettuce.

GROWTH IN ROWS IS RECOMMENDED. Most gardeners like to grow vegetables in parallel rows; they may be 12, 18, 24 or more inches apart, to permit walking between your plants.

SEEDS ARE COVERED WITH SOIL by about twice their diameter, which means that small seeds like celery are merely pressed into the surface; for larger seed, like radish and lettuce, the drill may be about ½ inch deep and for still bigger seeds, like peas and beans, it may be 1 to 2 inches. When seeds have been dropped in the groove, draw a rake lengthwise along the drill to cover them; then press firm the soil over the seed with the shoe.

VEGETABLES ARE NOT WATERED, USUALLY. Except in summer, when they may run into dry weather and need water.

WHAT YOU DO IN MAY

SOW SEED OF TENDER KINDS. After May 1, it is safe to sow Snap Beans and Corn.

Two weeks later, you may put in Lima Beans, Cucumber, Melon, Watermelon, New Zealand Spinach, Pumpkin and Squash.

SET OUT PLANTS OF TENDER KINDS. After May 15, transfer into the garden: Eggplant, Pepper, and Tomato.

TO GET A STEADY STREAM OF FOOD

SOW SEVERAL VARIETIES OF THE SAME VEGETABLE

SUCCESSION CROPPING. This means that you make further sowings throughout the summer. As soon as one crop is harvested, spread fertilizer, dig, rake and sow a second one.

Here are some examples of Succession Cropping. You can work up other combinations to suit your needs.

Beet, followed by Lima Beans, followed by Radish

Broccoli—Celery
Cabbage—Lima Beans—Mustard
Carrot—Snap Beans—Endive
Collards—New Zealand Spinach
Mustard—Snap Beans—Rutabaga
Mustard—Tomato—Kale
Onion (seed)—Endive

Onion Sets—Corn—Broccoli
Onion Sets—Snap Beans—Cauliflower
Peas—Cucumber—Carrot
Radish—Pepper—Lettuce
Snap Beans—Leek
Spinach—Snap Beans—Kale
Turnip—Eggplant—Cabbage

INTERCROPPING or COMPANION CROPPING. This is a principle of growing two crops in the space which ordinarily is occupied by only one, by placing quick-growing plants with, or alongside, slower ones. An example would be tomato plants with a hill of beans or a lettuce plant between them. When beans are picked or lettuce cut, a kale plant replaces them; beans and lettuce mature before tomatoes need all the space, kale continues to develop after first frost kills the tomatoes.

Other space-saving companionships may be worked out from the following two lists of slow and quick kinds:

SLOW, needing nearly all season: Brussels Sprouts, Cabbage, Cauliflower, Celery, Corn (tender), Eggplant (tender), Kale, Leek, Onion Seeds, Parsnips, Pepper, (tender), New Zealand Spinach (tender), Swiss Chard and Tomato (tender).

QUICK: Crop grows before partner needs all space, or after partner (if tender) is killed by first frosts. Beans (tender), Beet, Broccoli, Carrot, Collards, Endive, Lettuce, Mustard, Onion Sets, Peas, Radish, Spinach (true), and Turnip. Before closing drills in which Beet, Carrot or Swiss Chard are sown, a few seeds of Radish may be sown at half rate (½ oz. per 100 running feet or 1 pkt. to 50 feet). Radish comes up quickly, tells you where the row is and enables you to start hoeing early. Thin the plants to individuals and when Radishes are mature, they may be pulled and the longer-season crop will suffer no injury. A three-partner combination is to sow Parsnip, Beet and Radish, all in the same row. You get a fair crop of Radish, later a good one of Beet and at the end of the summer a full crop of Parsnip.



HERE'S HOW YOU GROW MORE OF IT!

Plan of a Vegetable Garden

25 by 50 feet (1250 sq. ft.)

Reproduction of diagram enclosed with Collection B.

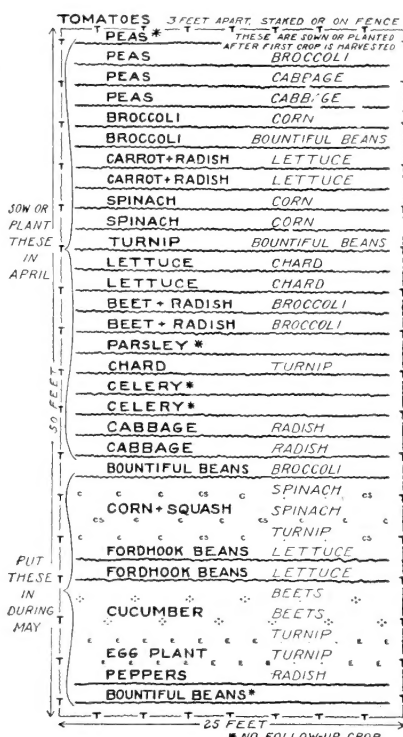
If your plot is large, have more or longer rows; grow additional kinds, like Brussels Sprouts, Cauliflower, Endive (Escarolle), Kale, Kohlrabi, Muskmelon, Mustard, New Zealand Spinach, Onion Sets, Parsnip, Potatoes and Sweet Potatoes, Pumpkin, Romaine.

For a smaller plot, have fewer or shorter rows.

Have your rows 1½ feet apart, with 1 ft. between first and last rows and Tomatoes (no follow-up crop in these two rows, to allow room for latter).

Grow Corn in hills 1½ ft. by 3 ft.; Squash seeds with the Corn in every fourth hill. Plant Broccoli, Cabbage and Eggplant 1½ ft. by 2 ft., Peppers 1½ ft. by 1½ ft.

To fill this garden, we suggest you use our Suburban Seed Collection B (\$3.90) and our Early Seeding Collection D (60 cts.). If you prefer, you can purchase growing plants of the five kinds in Collection D at our stores.



Early Seeding Collection D

For Sowing Indoors in Late Winter

Pepper, Worldbeater Pkt.
Celery, Golden Plume Pkt.
Eggplant, N. Y. Spineless Pkt.
Tomato, Marglobe Pkt.
Cabbage, Early Jersey Wakefield Pkt.

Catalogue Value....\$0.75

Price of Collection, 60 cts.

NOVELTY VEGETABLES

More delicious, most of them are highly resistant to plant diseases (See inside front cover)

COLLECTION E. Fifteen packets, newer and unusual vegetables, value \$3.60.....**Price of Collection, \$3.25**

VEGETABLE SEEDS FOR ARMY AND NAVY PERSONNEL

If your serviceman or servicewoman is likely to remain in a particular camp or port for a few months, send a gift of Vegetable Seeds. They will strengthen the ties with home.

We will make up a selection costing \$1, \$2.50, \$5, \$7.50, or more. Merely tell us how much you wish to spend for each recipient, mail remittance, and we will do the rest. We are mailing these packages daily especially to the Pacific area; varieties will be those we know to be suitable. Our Export Department, which has been shipping seeds to foreign countries for many years, will make the selection, or you may indicate your own preferences; please state if you wish Vegetables alone, or Vegetables and Flowers.

Price includes postage and insurance on packages, so your gift is sure to reach the addressee. If your boy, girl, husband, or wife is stationed in the United States, a collection of seeds will also be valued.

SEEDS FOR BRITISH CIVILIANS

We can send gifts of seeds of whatever value you desire to any point in Great Britain, and as normal parcel post again comes into operation in liberated countries we will take care of your orders for points in France and Italy.

VICTORY GARDEN COLLECTIONS

Seeds for Sowing Outdoors

Prepared before our spring rush, these save you money—time also

Garden Full Collection

A

For 500 to 1000 sq. ft.

Beet, Detroit.....
Carrot, Rubicore.....
Spinach, Savoy.....
Broccoli, Italian Market.....
Parsley, Champion.....
Radish, Globe.....
Turnip, Purple-Top.....
Beans, Bountiful.....
Beans, Fordhook, Lima.....
Cucumber, Staysgreen.....
Peas, Little Marvel.....
Corn, Bantam.....
Squash, Straightneck.....
Swiss Chard, Lyon.....
Lettuce, Boston.....

Catalogue Value.... \$1.85

Suburban Collection

B

For 1000 to 2500 sq. ft.

Price of Collection \$1.50

\$3.90

FROM LONG ISLAND

Dear Mr. Stumpp,

I am proudly bearing the title of "Green Thumb Mac" in my neighborhood, bestowed by bewildered and puzzled neighbors after they viewed my Victory Garden. Both myself and the Missus were delighted at the way every seed seemed to outdo itself in growing. How I chuckled when neighbors said I was foolish to pay what I did for seeds, when theirs from the corner store were so cheap; nevertheless, I bought Stumpp & Walter seed, and now the laugh is on them.

Take carrots for instance, it was a poor year in neighbors' yards, but we had beautiful carrots; and broccoli from seed—36 plants—immense in size, and every neighbor supplied with seedlings. My! My! The beets and beans: the neat rows of jars filled to the top in the cellar speak for themselves.

So thanks to your fine seeds, I, an amateur, am now rated a plant wizard. And all I did was plant them.

Sincerely, (NAME ON REQUEST)

There's an endless chain of adventure in gardening.



VEGETABLE SEEDS of Exhibition Quality

Vitamin-filled Snap Beans

½ lb. equals about ½ pint; 1 lb. equals about 1 pint; 2 lbs. equal about 1 quart; 15 lbs. equal about 1 peck.

BY ALL MEANS GROW BEANS, your most important garden crop. Years ago we called them "String Beans," but from the modern varieties described here the strings have nearly all been bred out, so there is very little topping, tailing, and stringing to be done to them in the kitchen.

Popular because they are foolproof, and so profitable. Growing almost anywhere, they will give their highest yield on a good, well-drained sandy loam. In order to have a continuous supply, sow a 10- to 25-foot row every two weeks, starting around May 1 and continuing until August 10. Frost kills the Bean plant, except Broad or Fava Beans, so do not start until all danger of frost is over and don't be surprised if an unexpected early autumn frost kills your last planting.

Green-Pod Bush Beans

Yield in from 8 to 10 weeks

Keystonian. Winner of the All-America Award for 1944 as the best *all-purpose* Bean to date. Tests prove it to be the ideal variety for home use, canning, freezing, shipping and market gardening. The pods are long, straight, stringless, fiberless, dark green and of delicious quality. Beans are ready to pick in 8 weeks. Pkt. 25 cts., ½ lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

Streamliner. Robust new variety that resists cool weather; the abundant, flattish pods average 7 inches in length, are stringless and of fine quality. If you have a surplus you may let the seeds ripen; they are white and make excellent Shell Beans. Pkt. 15 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.



Keystonian. Best all-purpose Bean

GREEN-POD BUSH BEANS, continued

Plentiful. This is similar to Bountiful, but the Beans are thicker, longer, straighter, and darker in color. They are also more nearly stringless, very tender and of wonderful flavor. An extremely prolific sort which matures in 50 days and is definitely resistant to rust. This is an excellent Bean. Pkt. 15 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Tendergreen. Handsome, 6-inch, round-podded Beans, entirely without strings at all stages of growth, and of fine melting flavor. We recommend it highly. Pkt. 15 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Bountiful. Very prolific and a continuous bearer. It is tender, of delicious flavor, and stringless if the flat pods are gathered when no more than 4½ inches long. Bountiful is resistant to rust. Pkt. 15 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Stringless Green-Pod. Splendid first-early round-podded Bush Bean. Entirely stringless; averages 5 inches long and is slightly curved. ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.10.

Giant Stringless Green-Pod. Favorite market variety. Pods are an inch longer than Stringless Green-Pod. ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Stringless Black Valentine. A fine improvement on the Black Valentine. It is a heavy yielder of stringless, green, pencil-shaped, thick, meaty Beans of finest flavor. Pkt. 10 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.10.

Dwarf Horticultural. Pods medium length, slightly curved, and when nearly developed are splashed with bright red on yellow. The green-shelled Beans are tender, and fine flavored. ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Wax-Pod Bush Beans. Yield in from 8 to 10 weeks

Sure-Crop Stringless. Large plant with a strong, thick stem, standing up well during stormy weather. Bears an abundance of large, handsome, golden yellow pods which are quite stringless. Sure-Crop is resistant to rust. Pkt. 15 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Black Wax. Round pods; early; good. Pkt. 10 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.10.

Vegetable Gardening in Color. By Daniel J. Foley. Here is a book you will use from the time you make up your seed order until you harvest your last crop. Deals with herbs, bush fruits and grapes also. Full of pictures. 254 pages. \$2.50.

Refugee Beans for Eating Fresh or for Canning

Sow in summer for late crop

Stringless Refugee. A very heavy cropper; its flavor is wonderful and it is absolutely stringless. Valuable for immediate use, for pickling or for canning. ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

A 25-foot row should yield 25 pounds or more of Beans (pods). They supply vitamins A and G; also phosphorus and copper.

BEANS ARE EASY TO GROW

Allow 1 pound of seed to each 100 feet of row. Place the seeds 2 to 3 inches apart in drills and about 2 inches deep. The rows should be about 1½ feet apart. Cultivate frequently around your Beans, but always when plants and land are dry. Keep the soil slightly hilled as the plants grow, to insure good drainage and to keep the Beans from touching the ground. Thin so that Bean plants stand 4 or 5 inches apart. Most Beans should be picked when about 5 inches long. Frequent pickings insure a more prolonged bearing season. Avoid jerking the plant as this frequently disturbs young feeding-roots. Use the fingernails to sever the stems. Do not pick when bushes are wet.

Follow-up Crops

For succession cropping, Beans may follow, or be followed by lettuce, turnips, beets, cabbage, onion sets, etc.

Bean Beetle

Read about the Mexican Bean Beetle on the next page. This pest also attacks Snap Beans, and the control measures discussed there should be taken.

Beans may be Dried

If Beans are coming along quicker than cooking and canning can take care of them, let some of the pods ripen on the plants. All these kinds may be dried in this way for winter food, but the Beans for baked beans, on the next page, are to be preferred when you grow them especially for this purpose.

A Quick Crop

Snap Beans begin to yield about 7 weeks after sowing.

Brittle Wax. The earliest Wax Bean; also a great cropper. The bushes are hardy, while the pods are fleshy and entirely stringless. They are of fine flavor, round and solid, tender, brittle and entirely stringless. The ripened seeds make excellent Shell Beans for baked Beans or Bean soup. Pkt. 15 cts., ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Golden Wax. A good Bean with flat-section pods; these are large, devoid of strings, tender and of excellent flavor. An old-time variety, reliable, and still among the best for you to sow. ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.10.

VEGETABLES WHICH FIGHT THEIR OWN DISEASES

Vegetable-growing is made easier by the many disease-resistant vegetables now available to the gardener

If your crops were injured last year by wilts or blights of any kind, we suggest that you use varieties that (a) have long been known as being reasonably disease-resistant, or that (b) have been created specially to meet present-day conditions. Certain health measures, too, will help you to avoid loss from disease. It is recommended that you rotate your crops, use dig-under crops for soil-improvement, burn rubbish promptly after harvesting, and use lime when necessary. Also dust seeds with Semesan, and use the following disease-resistant varieties.

Asparagus, Mary Washington
Beans, Bountiful
Beans, Sure-Crop Wax
Beans, Decatur Pole
Cabbage, Yellows-Resistant Globe
Celery, Golden Plume

Celery, Golden Treasure
Corn, Golden Wedding
Corn, Golden Cross Bantam
Corn, Honey Cross
Corn, Lincoln Hybrid
Eggplant, Fort Myers Market

Endive, Deep Heart
Spinach, Blight-Resistant
Spinach, Old Dominion
Tomato, Marglobe
Tomato, Pritchard's Scarlet Topper
Tomato, Rutgers

POLE SNAP BEANS

One pound plants 200 hills. The flavor and quality of these types of Bean are very high. Grow them if you have the room. Erect stout poles 3 feet apart; sow 8 Beans in a circle around the base after danger of frost has passed; thin to five plants per pole. Or you may grow them against a wire fence, allowing 1 pound per 100 feet.

Decatur. Vigorous novelty, climbing 6½ feet and covered with dark green, high-quality pods, round in section and stringless. Seeds are small and white. Resistant to disease, it is recommended for garden and commercial use. Won Silver Medal in the All-America Seed-Trials for 1942. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Old Homestead (Green Kentucky Wonder). The pods are tender, stringless when young and silvery green, hanging in clusters throughout the plant. Begins to yield in ten weeks, and thereafter is a continuous bearer. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.10.

Scarlet Runner. Has scarlet flowers. The green pods, though containing strings, are probably the best flavored of any Bean. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Yard-Long Asparagus. A remarkable Bean, yielding narrow rounded pods of enormous length. The quality is excellent. Pkt. 20 cts., lb. 50 cts.

Beans for Growing Under Glass (DWARF)

These are of interest only to the professional gardener anxious to produce a crop out of season in a greenhouse.

The Prince. New sort, quick to mature and cropping enormously. The pods are without strings, meaty, of fine flavor, 11 to 12 inches long. Pkt. 20 cts., lb. 50 cts.

S. & W. Co.'s Wonder. Of fine color and refined flavor. Round, 6-inch pods are borne in great abundance. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Masterpiece. Strong, quick grower and very prolific, the pods attaining a length of over 7 inches, straight, tender, meaty and stringless. Bean thick-flat. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Beans for Baked Beans

Grow until fully ripened; then shell. Pods are inedible.

White Marrow. The large straight pods each contain half-dozen large white Beans, ready in about 4 months. Excellent flavor. Height 1½ feet. ½lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

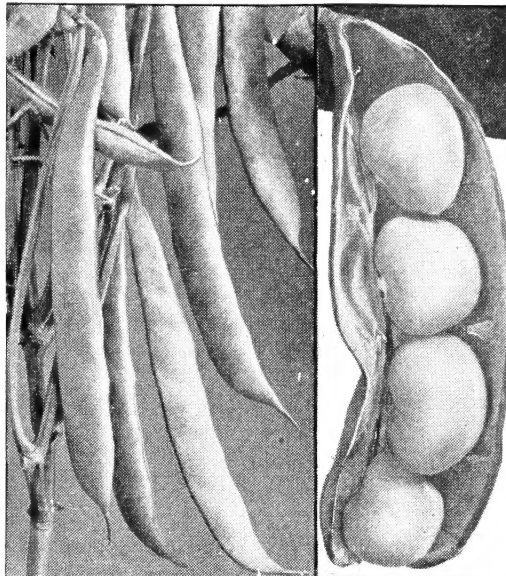
Pea or Navy. Large, spreading plant with strong runners. The white "Boston" Beans are small and oval. Harvested 3 months after seeding. ½lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

Red Kidney. Beans are red. ½lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

Broad (Fava) Beans

Differ from American types in that they do best in cold weather; light frost does them no harm, and they should be planted early. Select strong land and spray continuously against aphids and blight. Not recommended for the home-garden.

English Windsor. Heavy pods are produced in pairs with 3 or 4 large Beans in each. Tender and delicious. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.



Pole Snap Beans

Early Giant Lima Beans

Edible Soy Beans

If you have plenty of room, grow this new 30-inch high crop, the yield of which is so heavy in proteins, fats and vitamins A, B₁ and G. Extraordinary yields are obtained. Beans may be harvested in about the same relative stage as garden peas, and cooked in the same way. Or they may be grown along like Pea or Navy Beans, allowed to ripen on the plant. Pods are discarded. Send for our leaflet "Soy Beans as a Garden Crop."

Sawco Selected. An excellent variety. ½lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

How to Grow Lima Beans

Don't waste your seed by sowing Lima Beans before all danger of frost is over and the soil is thoroughly warm. Sow Bush sorts in rows 2 feet apart and about 2 inches deep, putting the Beans 3 inches apart in the row, "eye down," later thinning so that the plants stand 6 to 8 inches apart. For Pole varieties put 6 seeds in each hill, arranging the hills 3 feet apart each way. They require a pole 7 feet high, and when the vines have reached the top, pinch them and so increase the yield. Some gardeners plant under glass and transplant about the time seeds are usually sown. Limas always do best on a nice, rich, loamy soil. Surplus stock may be ripened on the vines, the Beans dried and kept for winter use. The pods have no value.

Lima Beans take almost the whole season to grow. You cannot plant them for succession, as you may Snap Beans. About the best you can do is first to sow an exceptionally quick crop, like radish, mustard or spinach, dig when harvested and then sow Limas.

One pound of seed plants 50 to 100 feet of drill or 50 hills.

Should you notice your plants being spotted or spoiled by blight or fungus (and this applies to Snap Beans also), pull out each affected plant and burn it; this does not often happen, but you are very likely to find damage by the Mexican bean beetle. In the soil around the plants you may see the mature beetle, like a spotted, rather large yellow lady bug. Under the leaves are clusters of the orange-yellow eggs, with the yellow, spiny larvae that hatch from them. The leaves will be eaten into lacy designs, the larvae eating the leaves, but leaving the veins. Hurry and dust your plants with Hortex, or spray them, especially the under side of the leaves, with Rotene. (See pages 112 and 113.)

A 25-foot row or ten hills should supply 25 pounds or more of Lima Beans (pods). They supply vitamins B₁, C and G; also phosphorus, copper and some iron.

DWARF LIMA BEANS

One pound will plant 50 to 100 feet of drill. Yield in from 12 to 14 weeks.

Fordhook 242. An improved Fordhook and an All-America Seed-Trials Winner. Like Fordhook, the Beans are thick, but of only medium size—the true "potato" type. Yields are outstanding, and although both begin to bear at about the same time, first pickings of Two-forty-two are much larger. Quality is very high. Pkt. 20 cts., ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

Fordhook. A dwarf form of the Challenger or Potato Lima, and earlier. Pods measure 4 to 5 inches, frequently containing 4 fine Beans of medium size, thick, meaty and very tender. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Baby Potato. Medium-sized plant that is a great producer of Beans which are somewhat smaller than those of Fordhook. The pods which contain them are small, also, so the variety is of special interest to the amateur, whose garden space may be limited. Its flavor is especially good. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Early Giant. The short period in which this Bean matures enables it to be grown for succession, sowings being made from May 15 to July 10 near New York. Other Limas take so long to mature that more than one seeding is barely practical. The flavor is particularly refined, and the fine, luscious Beans, which are large, thick, and flat, are produced in remarkable quantity. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Improved Bush. A fine standard Bush Lima and the pods are large in size and are well filled with larger Beans. A great producer; growth vigorous; the blossom-bearing stalks are thrown well out of the foliage, and the Beans are ready for picking very early. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Henderson Bush. Beans are small, but are produced in quantity. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.10.

POLE LIMA BEANS

One pound will plant 50 hills. Yield in from 13 to 15 weeks.

S. & W. Co.'s Green-seeded. The vine is strong and vigorous, with large runners or branches, producing many pods closely filled with large Beans, many of the pods containing four. This is a broad-seeded variety much nearer to having every Bean perfect than any other Pole Lima. The green tint is distinctive, for it retains this tint in the dry state to a greater extent than usual, which indicates good quality, being fine-flavored and more tender than white-seeded Beans. It is the most perfect Pole Lima. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Challenger or Potato Improved. Early. A small thick Bean of excellent flavor. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

King of the Garden. Beans flat and large. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Ford's Mammoth. Very large pods, frequently measuring 9 inches long; Beans flat and large; productive and of good flavor. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Early Leviathan. Early variety with pods in clusters. Splendid where the season is short. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.10.



Italian Market Broccoli

ASPARAGUS

Asparagus furnishes vitamin B₁, also phosphorus and copper.

Asparagus Roots

A plot 8 feet wide and 50 feet long will be sufficient to plant 100 roots in two rows, enough for an ordinary family.

Dig a trench 1½ feet deep and 1 foot wide, and fill in about 4 inches with well-rotted manure, or with rich top-soil to which General Garden Fertilizer has been added generously; tread down firmly. On this put about 5 inches of additional soil, and then lay the roots in, about 12 inches apart, taking care to spread well, having the crown in an upright position. Cover to within 4 inches of the top of the trench and, as the plants grow, gradually fill the trench to the surface. For spacing between the rows allow 2½ feet. Let the plants grow two full seasons before cutting. You should then gather Asparagus every spring for fifteen years or more. You may have Asparagus within one year if you plant some additional roots which you are prepared to sacrifice after two seasons; you thus make two plantings, one permanent and one temporary.

Paradise. This fine, new variety has quickly become popular with commercial growers and should appeal equally well to the amateur. It is a remarkably heavy producer and the stalks are very large—often only seven or eight to a pound bunch. The flavor of the tender stalks is unusually good. Large 2-yr. roots, \$2 for 25, \$3.50 for 50, \$6 per 100, \$50 per 1000.

Mary Washington. Rust-resistant, vigorous, and of wonderful quality. Produces large cuttings of colossal shoots, straight, dark green in color, and with a heavy purple overtone. Choice 2-yr. crowns, \$1.75 for 25, \$3 for 50, \$5 per 100, \$45 per 1000. Selected 3-yr. crowns for forcing, \$2.50 for 25, \$4 for 50, \$7.50 per 100, \$60 per 1000.

Purchaser pays transportation beyond 50 miles on Roots

Asparagus Seed

One ounce plants 100 feet of drill.

Takes three years to grow from seed, but if you have the patience sow in drills at least 1½ feet apart and thin so that plants do not overcrowd. When a year or more old, dig and replant in a prepared bed, as suggested above under "Asparagus Roots." Most gardeners prefer to save a year, and purchase these rather than sow seed.

Mary Washington. Asparagus is often damaged by rust. To control it plant Pedigreed Mary Washington, the most rust-resistant type we know. Seed, pkt. 10 cts., oz. 30 cts., ¼lb. 90 cts., lb. \$2.50.

Sometimes beetles feed on the young shoots or leaves of Asparagus; if you discover them, spray with Rotene or dust with Hortex.

BROCCOLI

Outstanding source of vitamin A; excellent one of G. High in calcium, phosphorus and copper.

Cooks in twenty minutes or less, and, unlike cabbage, without unpleasant cooking odor. Sow seed indoors ½ inch deep in March, and transplant 24 inches apart in the garden when large enough to handle; sow again in July to mature in the autumn.

After the main or "king" sprout is cut with the surrounding leaves, which are delicious, other smaller side-sprouts will develop, continuing the yield for several months.

One ounce will produce about 3000 plants. Takes about 8 weeks from the time plants are set out for the king sprout to mature; thereafter they afford cuttings through summer. Seed sown in July assures a good autumn crop. A 25-foot row should give you a total of 3 bushels of healthful food.

Italian Market. Delicious vegetable, like cauliflower but a more distinct flavor. Produces a compact, bluish green head. After this is cut, the plant produces side shoots, each bearing a small head. May be sown February to July. Pkt. 25 cts., ¼oz. 65 cts., ½oz. \$1, oz. \$1.75.

Broccoli-Rape. (Non-heading.) Delicious cooking green, popular with Italian growers. Leaves are smaller and thinner than Broccoli and the buds are not in such tight heads. Plant is ready for the kitchen when first bud breaks into its yellow flower. Pkt. 15 cts., ½oz. 65 cts., oz. \$1.

ARUGALA (Rucola or Rocket)

Popular Italian salad plant, served with oil and vinegar. Has a sharp flavor and distinct odor. Healthful. Sow in drills 18 ins. apart in spring. Thin to 6 ins. Pkt. 20 cts., oz. 85 cts.

ARTICHOKES

Two distinct plants are included under this heading.

Globe Artichokes

Cynara Scolymus

One ounce will produce 500 plants. The scales and base of the flower-buds are eaten, either boiled, or raw as a salad. The young stems are sometimes tied together and blanched and served in the same manner as asparagus. The plants thrive best in deep, rich well-drained soil. Sow seeds indoors, and set out in May, in rows 3 feet apart, leaving 2 to 3 feet between the plants. Cover with leaves in winter. Usually bears the second year.

Large Green Globe. Pkt. 25 cts., ½oz. 75 cts., oz. \$1.25.

Jerusalem Artichokes

Helianthus tuberosus

Artichoke Tubers. Distinct plant, grown for its potato-like tubers. Place in rows, 3 feet apart and 1 foot apart in the row; cultivate occasionally. Allow to remain in the ground until needed. Excellent served boiled, like new potatoes. Qt. 75 cts., pk. \$4.50. Purchaser pays transportation beyond 50 miles of New York.

BRUSSELS SPROUTS

Excellent source of vitamins B₁ and C; fair one of G. High in phosphorus and copper.

One ounce will produce about 3000 plants; 30 to 50 plants suffice for an average family. Yields within 14 weeks of sowing seed.

Sow thinly outdoors in late spring; when 4 inches high, plant out 2 feet or more apart. Treated paper collars around the seedlings protect against cutworm; if cabbage worms appear, dust with Hortex; and for aphids or plant-lice, which sometimes may be seen in thousands, spray with Black-Leaf 40. Keep the soil well cultivated all summer, and in October begin gathering the Sprouts. Light frost improves the flavor. In November you can transplant into boxes to place in the garage or a cool cellar, and gather Sprouts for a month longer. Or you may shake the soil from the roots and hang the plants from the beams, head downwards if you prefer, to get equally good Sprouts.

A 25-foot row should give you 20 quarts or more. **S. & W. Co.'s Favorite.** A half-dwarf strain of this fine vegetable, thickly covered with crowded, tight Sprouts, tender and delicious. Pkt. 25 cts., ¼oz. 65 cts., ½oz. \$1, oz. \$1.75, ¼lb. \$6.

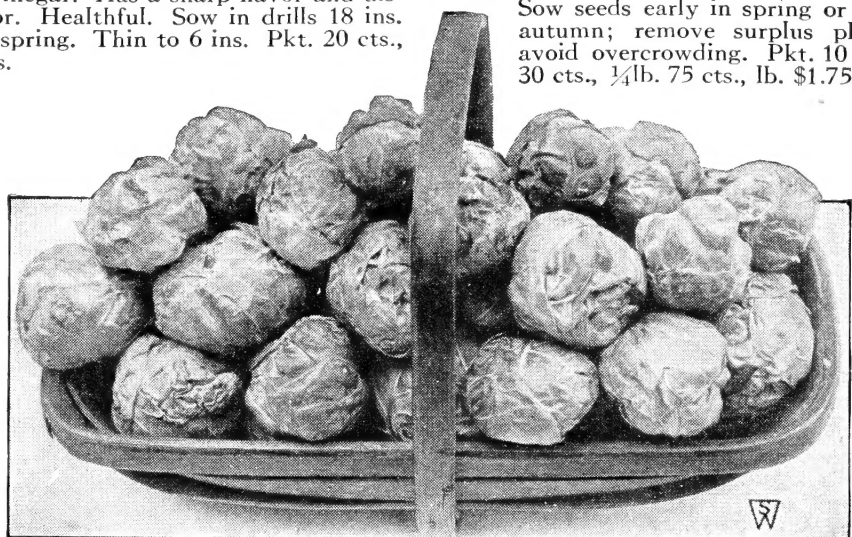
COLLARDS

Outstanding source of Vitamin C; good one of A and G; fair source of B₁. High in calcium and phosphorus, with some iron.

One ounce will produce about 3000 plants. About 5 weeks from seed to cutting. A 25-foot row should give you a total of 2½ bushels of produce.

Georgia. A leafy plant with a large, loose head which is served boiled and tastes like cabbage. In the South it is widely used.

Sow seeds early in spring or early in autumn; remove surplus plants to avoid overcrowding. Pkt. 10 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$1.75.



Brussels Sprouts, S. & W. Co's Favorite

RED BEETS

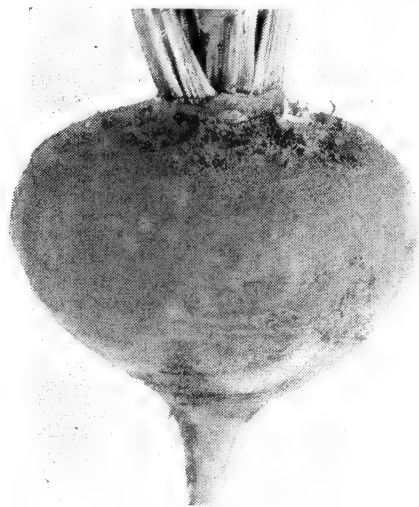
One ounce will plant 100 feet of drill and should yield 100 lbs. or more of roots. Allow 5 to 6 pounds of seed per acre. Ready in from 8 to 11 weeks.

THEY ARE EASY TO GROW and pay well for the space they occupy. Seed may be sown a half-inch deep at two-week intervals from early spring to mid-July. The ground should be spaded well and deep, placing rows about 12 inches apart. Cover the seed carefully and firm in the ground by walking over the drills. When seedlings appear about 3 inches above ground, thin out to about 4 inches between the plants so as to give ample room for the proper development of the roots. Thinnings make excellent boiled greens. Beets are best for pulling when about 2 inches in size.

A few seeds of Radish sown in with the Beets will come through first, marking clearly the row and showing you where to start hoeing. Pull Radishes when they are mature; your crop of Beets will not be reduced by this two-kinds-in-one-row scheme.

Beets may be kept for winter use in boxes of sand in a cool cellar, or in a pit outdoors. Or they may be preserved or pickled.

Beets are nourishing and are an excellent source of copper. The tops or greens are especially valuable, supplying vitamins A, B₁, C and G, along with calcium and iron.



Sawco Wonder Beet

Sawco Wonder. An improved Early Wonder Beet which was given a gold medal rating by the All-America Selections Committee in 1934. Has all of the fine qualities of Early Wonder, but has, in addition, a fine darker-colored flesh, exceptionally tender and sweet. Pkt. 15 cts., 1/2 oz. 30 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$3.50.

Early Wonder. A variety which may be sown early, and will mature very rapidly. It is so uniform in growth that the crop can be lifted practically at one time. The root is nearly globular in shape, slightly flattened. The leaves are of medium size, and the color of the flesh is deep blood-red; sweet and free from strings. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.30, lb. \$2.75.

Good for All or Baby Detroit. Fine flavor, without earthiness and woodiness. Uniformity in shape, regularity in size and color—these are the outstanding qualities of this Beet. A perfect globe, smooth and even. The foliage is sparse and short—barely a foot—and gray-green. Flesh is very free from rings or zones, being a uniform deep crimson-vermilion. Pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1.40, lb. \$3.50.

COW BEETS (Mangels) and SUGAR BEETS. See page 27.



Georgia Collards

Crimson Globe. In about 70 days from planting, one-fourth of the Beets in the Crimson Globe row will be ready for table use. They do not all come to eatable size at the same time, some growing faster than others, thereby lengthening the period of perfection and making it an ideal home-garden sort. Flesh bright red with light purple zones. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$2.75.

Green-Top Bunching. An early type, the bulbs of which reach a diameter of 3 inches in about seven weeks, are slightly flattened and of excellent table quality, free of objectionable fiber. The flesh is almost solid blood-red, while the foliage is a definite gray-green. Pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$2.50.

Detroit Dark Red, Exhibition Strain. This is specially reselected for depth of color, uniformity of shape, and general refinement. It is developed particularly to meet the requirements of the exhibitor and market gardener. Pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1.35, lb. \$3.25.

Detroit Dark Red. The round, dark red globe roots are uniformly smooth. The flesh of the very young Beets is almost black-red, turning to dark crimson with dark purple zones as the Beets grow larger. When cooked, the Beets are of an appetizing dark red and very sweet. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.30, lb. \$3.

Crosby's Original Egyptian. The smooth, dark red roots are topped with light green foliage, which is prominently speckled with dark red. The flesh is carmine, handsomely marked with white zones, very tender and of uniformly sweet quality. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.05, lb. \$2.75.

Extra-Early Egyptian. A variety which grows very quickly, producing roots of fine quality, flat and smooth. They are pulled when 2 inches in diameter. Pkt. 15 cts., oz. 40 cts., 1/4 lb. \$1.30, lb. \$3.25.

S. & W. Co's Winter Keeper. A distinct and very fine strain of main-crop. Beet produced by many years of painstaking selection. Two leading characteristics of this Beet are: the uniformly excellent flavor of its flesh and the remarkable manner in which this quality is preserved during winter storage. Beets are almost globe-shaped, tapering somewhat toward the root. The flesh is dark red, sweet and tender. A portion of the crop may be stored in a cellar or pit until spring. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.40.

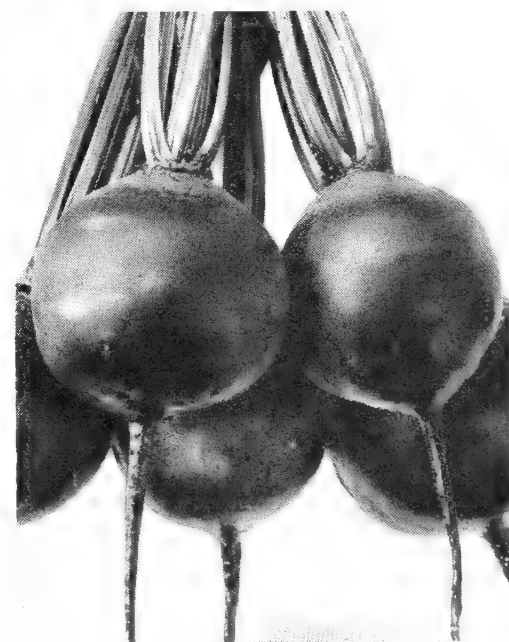


Long Blood Beet

Grow this variety only if your soil is deep, light and well drained. Use standard sorts on clay land.

Long Type

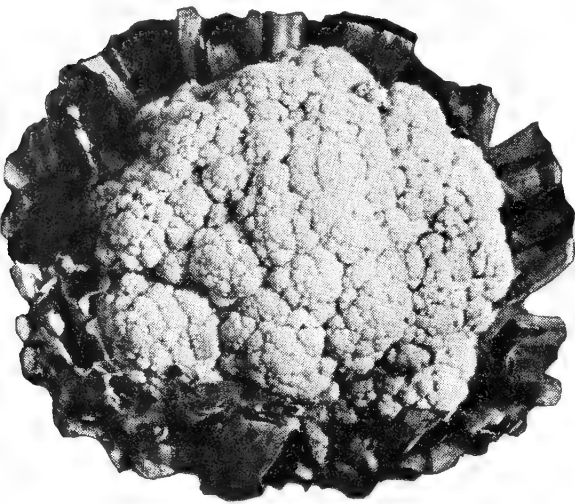
Long Blood. (Out of Ground.) Late variety, the root of which is over a foot long. Five inches of this grows out of the ground. The flesh is deep red in color, sweet, and of high quality; it keeps through into the winter, and its size and shape obviously make it the most economical. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.30, lb. \$3.25.



Good for All Beets

TEST YOUR SOIL and find out exactly what plant-foods it needs.

WITH THE HORTICULTURAL KIT you can examine sixty soil samples. The cost? Only \$9.75.



S. & W. Co.'s Best of All Cauliflower

CAULIFLOWER

One ounce will produce about 3000 plants. From 10 to 14 weeks from seed to harvest.

Outstanding source of vitamin B₁; good one of C; fair source of G. High in phosphorus.

Sow 1 inch deep in February or March in a hot-bed and transplant in April. Have the plants 2 feet apart in rows 2½ feet from each other. Rich soil is essential. Outdoors sow the first week in May and transplant in July. When the flower is the size of an egg, tie the leaves together, or bend them to form a cover. For wintering under glass sow in September; transplant into a cold pit or frame; give plenty of air in mild weather, and cover up well when conditions are severe.

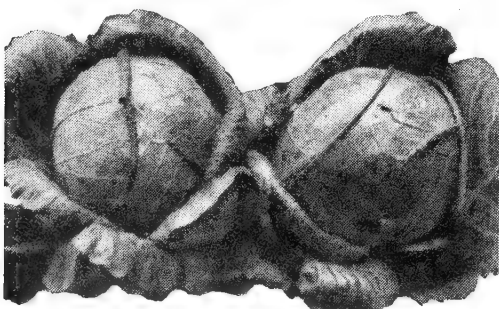
S. & W. Co.'s Best of All. The easiest to grow. The plant is dwarf, stocky, and erect. Fewer leaves enable it to be planted closer than usual. In suitable soil, every plant forms a large head. Pkt. 35 cts., ½oz. \$1, ¼oz. \$1.75, ½oz. \$3.25, oz. \$6.

Early Snowball (Snowdrift). Wonderful, sure-heading, dwarf variety; the outer leaves are small, hence it is particularly adapted to growing under glass, also for spring planting outdoors. Is, too, an excellent autumn sort. Pkt. 25 cts., ½oz. 85 cts., ¼oz. \$1.50, ½oz. \$2.75, oz. \$5.

Extra-Early Dwarf Erfurt. Because of its exceedingly dwarf habit and rapidity of growth, this variety is desirable for forcing under glass; also suitable for the open ground. Pkt. 25 cts., ½oz. 85 cts., ¼oz. \$1.50, ½oz. \$2.75, oz. \$5.

Autumn Giant. This is larger and slower-growing than the above varieties; used in warmer climates. Pkt. 15 cts., ½oz. 45 cts., ¼oz. 85 cts., ½oz. \$1.50, oz. \$2.85.

Italian Purple. Head purple, cooking to green; in flavor it is similar, but superior to broccoli and cauliflower. Quick growing and disease-resistant. May be sown under glass and transplanted, or outdoors in June for an autumn crop. Pkt. 25 cts., ½oz. 95 cts., ¼oz. \$1.65, ½oz. \$3, oz. \$5.50.



Golden Acre Cabbage

CABBAGES

When served raw or not cooked over-long, Cabbage is a valuable food. An excellent source of vitamin C, and an outstanding one of calcium, with some phosphorus.

Sow early kinds 1 inch deep indoors in February and March, and in the open ground during April and May. Late varieties for fall and winter use should also be sown in May. Early sorts may be planted in rows 2½ feet apart, with 18 inches between plants in the row; late kinds should stand 2½ feet each way. To be well grown Cabbages require a deep, rich, loamy soil, but should it be too rich some late kinds may show signs of bursting. If this occurs, push the plants over to one side and so check their growth.

Certain diseases, particularly "Yellows," where the young plant becomes stunted and eventually dies, affect Cabbages; sickly specimens should be pulled up and destroyed. Under Brussels Sprouts, on page 6, you can read of the insects which sometimes attack plants of this family. The hints given there on combating them apply equally to Cabbage.

One ounce will produce about 3000 plants.

Early and Midseason Sorts

Yield in from 10 to 12 weeks

Golden Acre. A small but very fine variety. Early, and with round, solid, well-blanching heads. The few outer leaves are small, permitting close planting. Pkt. 15 cts., ½oz. 45 cts., oz. 80 cts., ¼lb. \$2.35.

Improved Early Jersey Wakefield. One of the best early Cabbages. The heads are hard, solid, and pointed, with just a few outside leaves. Pkt. 10 cts., ½oz. 35 cts., oz. 65 cts., ¼lb. \$1.75.

Charleston or Large-Type Wakefield. Retains all the characteristics of the Improved Early Jersey Wakefield with the added advantage of greater size. Pkt. 10 cts., ½oz. 35 cts., oz. 65 cts., ¼lb. \$1.75.

Copenhagen Market. The stem is short, the head round and solid. Heaviest of the extra-early varieties, and if left until fully mature, frequently weighs 8 to 10 pounds. Leaves are small, compact and close to the head, so it will stand close planting. The inside is fine-grained and tender. Pkt. 15 cts., ½oz. 45 cts., oz. 80 cts., ¼lb. \$2.35.

Succession. A splendid second-early, round-headed sort. Pkt. 15 cts., ½oz. 45 cts., oz. 80 cts., ¼lb. \$2.35.

Yellows-Resistant Globe. Similar to Copenhagen Market and a few days later. Specially bred to resist disease. Pkt. 15 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.65.

S. & W. Co.'s Famous Early Conical. An extremely quick-maturing variety, cone-shaped, and very distinct. Ideal for private gardens, requiring less space than most kinds, and heads sooner. Pkt. 20 cts., ½oz. 45 cts., ½oz. 75 cts., oz. \$1.30, ¼lb. \$3.75.

Late Cabbages

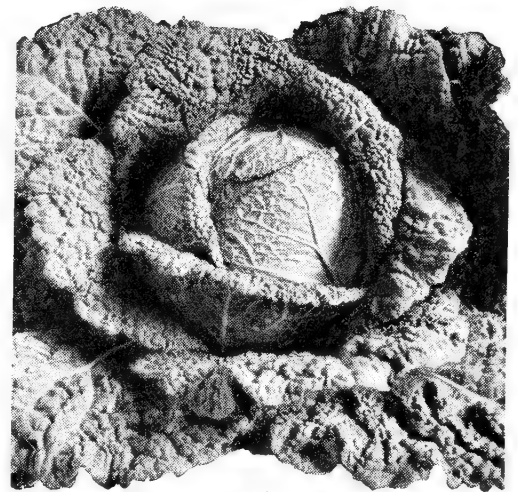
Yield in from 14 to 16 weeks

Danish Ballhead. A large Cabbage. The round heads are very solid, fine-grained and sweet-flavored. Pkt. 15 cts., ½oz. 45 cts., oz. 80 cts., ¼lb. \$2.35.

Large Late Flat Dutch. Fine for winter use. One of the most reliable sorts; produces immense heads of the finest quality. Splendid keeper. Pkt. 10 cts., ½oz. 35 cts., oz. 65 cts., ¼lb. \$1.75.

Danish Drumhead. Similar to Danish Ballhead (above) but earlier. The round heads are very solid, fine-grained and sweet. Pkt. 15 cts., ½oz. 45 cts., oz. 80 cts., ¼lb. \$2.35.

Seedlings of Cabbage, ready to plant out in your garden, are offered on page 95.



American Drumhead Savoy Cabbage

Savoy Cabbage

Yields in from 12 to 13 weeks

American Drumhead Savoy. The round, wrinkled heads are solid, large, and well shaped, and in table quality they resemble the better garden Cabbages. Pkt. 15 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.65.

Red Cabbage

Yields in from 11 to 15 weeks

Mammoth Rock Red. This is the best, largest and surest heading Red Cabbage. The plant is handsome, with numerous spreading leaves, large, round, and very solid heads. Pkt. 20 cts., ½oz. 45 cts., oz. 85 cts.

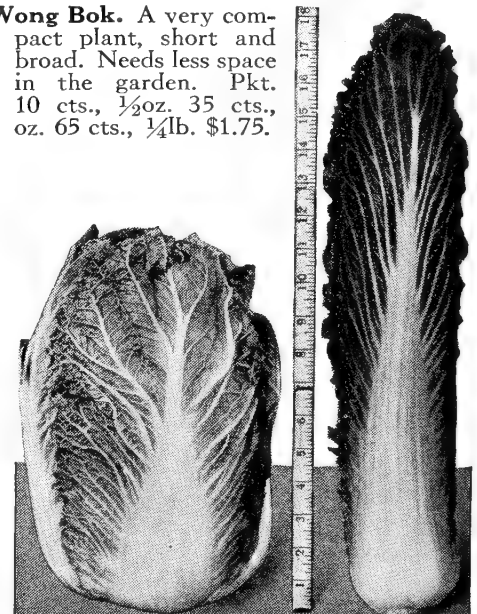
Chinese or Celery Cabbages

Yield in about 11 weeks

A desirable vegetable, nearer to mustard than Cabbage, palatable and healthful. A cool-weather crop; sow early in spring, or in August for late autumn cropping.

Pe-Tsai. (Chihli Strain.) Looks like a long Cos Lettuce, but its crisp leaves and midribs have a Cabbage flavor. Pkt. 10 cts., ½oz. 40 cts., oz. 70 cts., ¼lb. \$2.

Wong Bok. A very compact plant, short and broad. Needs less space in the garden. Pkt. 10 cts., ½oz. 35 cts., oz. 65 cts., ¼lb. \$1.75.



Chinese Cabbages: Wong Bok (left) and Pe-Tsai. (Outer leaves have been removed)

CARROTS

Well known to be a good source of vitamin A, the eyesight vitamin.

They are most palatable and nutritious when eaten raw. Very easy to grow, and highly profitable from the point of view of utilizing garden space; so attractive that many do not hesitate to edge their flower gardens with them. They are particularly free from attacks by insects and diseases.

Sow from April to July in drills $\frac{1}{2}$ inch deep and 15 inches apart; thin out to 2 inches.

Radish seed may be sown along with Carrot to give you two crops from the same row, and the Carrots may be stored over winter the same way as beets are. See under Beet on page 7.

One ounce will plant 100 feet of drill, and should yield 100 pounds or more of produce.

Best Early Kinds

Yield in from 9 to 10 weeks

Rubicone. A new, early Carrot, deep orange-red, and the small core is almost the same color, which it retains in cooking, and it is as tender and sweet as the root itself—as “coreless” as a Carrot can be. The roots are $5\frac{1}{2}$ to 6 inches long, 2 to $2\frac{1}{2}$ inches at the shoulder, narrowing gradually to a blunt end. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.80, lb. \$4.

S. & W. Co.'s Melting Marrow. A fine half-long variety, cylindrical in shape and of wonderful butter quality. Skin is smooth and the fine red color is carried through the entire root. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2, lb. \$5.75.

French Forcing. Largely grown under glass. Small, almost globe-shaped root of an orange-red color. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2, lb. \$5.75.

Selected Chantenay. A splendid half-long, stump-rooted Carrot. Quick to grow, it averages $5\frac{1}{2}$ to 6 inches in length, broad at the neck, narrowing gradually to a blunt end. The flesh is rich orange-red, free from core, tender, fine flavored, and of excellent table quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$3.75.

Greater Chantenay. All the palatability, tenderness, fine color, and speed of our regular strain of Chantenay, but the roots are $1\frac{1}{2}$ inches longer. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.80, lb. \$4.

Half-Long Scarlet Nantes. The skin is smooth, flesh red, and without any core. Excellent for forcing and general use. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2, lb. \$5.75.

Oxheart or Guerande. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Late Varieties

Yield in from 11 to 13 weeks

Sow these in summer for winter use.

S. & W. Co.'s Imperator. Rich red color, of high culinary quality, free of core and fiber. An elongated Danvers type, round-shouldered, almost cylindrical for the first 6 inches, then gradually tapering to a point. Fine commercial sort, and excellent for the private estate or home-garden. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.80, lb. \$4.

Streamliner. In developing this Carrot, quality and flavor have been given as much attention as the needs of the commercial grower. Its deep color, with a slightly deeper core, its tenderness and its sweet flavor commend it to the home gardener. It is easier to pull, bunch, and wash, and it looks wonderful, so it just fits the market-man's requirements also. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.80, lb. \$4.

Selected Danvers. A handsome, cylindrical-shaped Carrot of good size and stump-rooted. It is of a rich, dark orange color, of excellent table quality, smooth, and has little core. This selected stock we are now offering has been specially grown for market-gardeners and is sure to give satisfaction. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.50.

Tendersweet. Gradually tapering, handsome, blunt-ended roots, about 9 inches long, and fine, deep orange-red in color. They are exceptionally sweet, tender and of high quality. Foliage is dark, with bluish stems. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.80, lb. \$4.

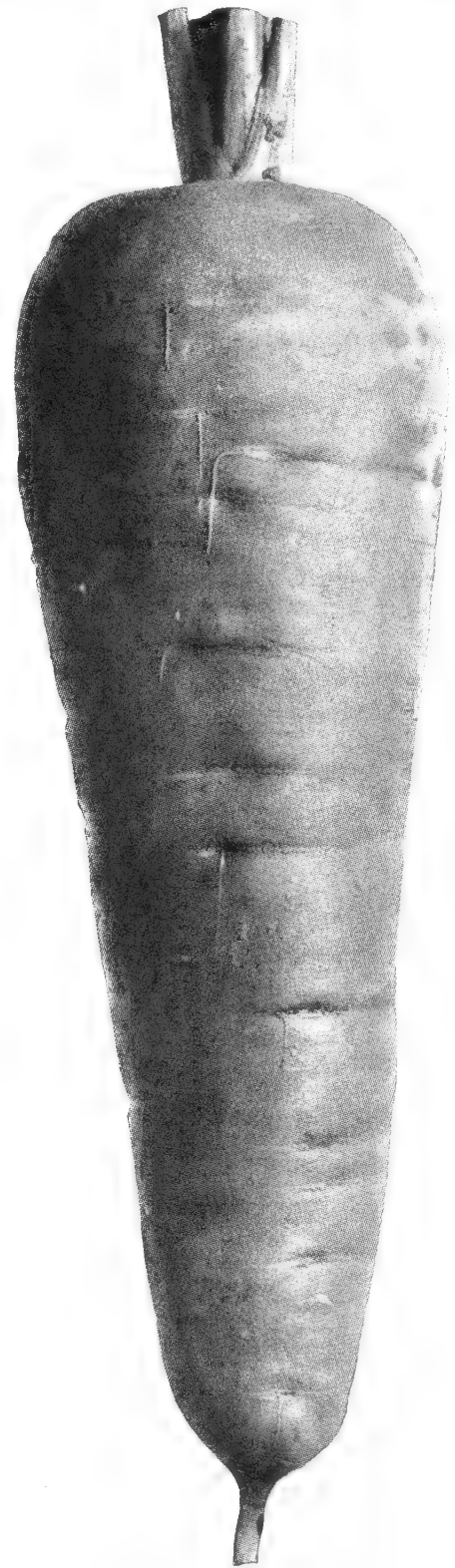
Long Red Surrey. Larger, better-flavored, and a deeper orange color than most others; flesh sweet and tender, never hard or woody. The smooth, even-shaped roots are of good size, 6 to 8 inches in length and 2 inches in diameter at the top, tapering gradually to the tip. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.80, lb. \$4.

Selected Long Orange Improved. One of the most desirable for either garden or field culture; it grows to a large size, fair specimens averaging 12 inches in length and 3 inches in diameter at the top. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.50.

S. & W. Co.'s New Red Intermediate. It is one of the most uniform in shape that we know, and where the soil is favorable, it will always grow clean and free from side roots. The core is small and very tender, and there is no indication of woody character at any stage of its growth. It is also entirely free from any coarse, rank flavor so common with many sorts. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.50.

Carrots and Beets

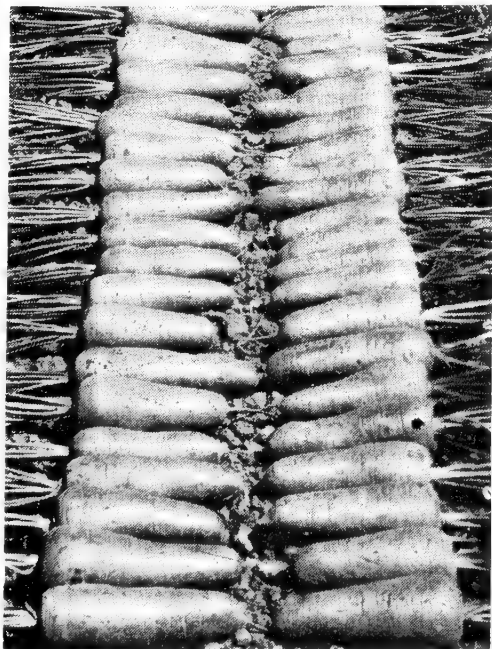
GROW MORE ROOTS. There is a wealth of satisfaction in being able to go to your cellar or “pit” in the garden during the winter months and dig up vegetables that sell on the market at high prices. Their liberal use is essential to our physical welfare. And they are so easy to grow that they may play quite a part in reducing the cost of living.



Exhibition Danvers Carrot

Two Carrots for Prize Winning

Exhibition Danvers and Exhibition Chantenay. For those who aim for top honors at autumn vegetable shows we offer two strains of these standard varieties that have been specially grown and selected for perfect shape, uniformity and large size. They are recommended to those who, even if they do not grow for prizes, wish to have the best in their garden. Price of each variety, pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.80, lb. \$5.



S. & W. Co.'s Rubicone Carrots

CELERY-BLEACHING TUBES

simplify the culture of this plant. In the 14-inch size they cost \$4.50 per 100. See Implement Section.

CRISP CELERY

One ounce will produce 3000 plants. Early sorts take around 15 weeks, late sorts about 18 weeks after setting out.

Sow the seed $\frac{1}{8}$ inch deep in a coldframe in March or outside in April or May and again in July. Transplant or thin to 6 inches apart. Rows often are double, the parallel rowlets 6 inches from each other. Rows or double rows should be 3 feet apart. Two to three weeks prior to harvesting, the plants should be boarded, wrapped with heavy paper, or earthed up to blanch them.

Early Quick-blanching Varieties

Golden Plume. The improvements over Golden Self-blanching are (a) superior flavor, (b) wonderful color, (c) resistance to blight and rust, (d) earlier maturity, (e) superior keeping qualities, (f) increased size. It possesses a nutlike flavor, and is handsome in appearance. Pkt. 25 cts., $\frac{1}{8}$ oz. 70 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{2}$ oz. \$2, oz. \$3.50.

Golden Treasure. This finds the greatest favor today in the New York market. A reselection from Golden Plume whereby a taller type has been produced, and the head is thicker. Flavor is most refined. Preferred to the standard sort by some. Pkt. 30 cts., 4 pkts. \$1, $\frac{1}{4}$ oz. \$1.50, $\frac{1}{2}$ oz. \$2.75, oz. \$4.

Earligreen. The finest, earliest large green Celery. The very full heart is pure white, brittle, and of the most delicious flavor. Sown in February and March, and planted out in May, we have seen this variety offered in the New York market by mid-August. Pkt. 25 cts., $\frac{1}{8}$ oz. 70 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{2}$ oz. \$2, oz. \$3.50.

Summer Pascal. Highest quality green Celery: short, heavy, nutty and brittle; almost ribless and entirely stringless. Blanches easily in two weeks. Full golden heart. Trifle later than Golden Plume. Height 22 inches. Pkt. 25 cts., 4 pkts. 90 cts., $\frac{1}{4}$ oz. \$1.50, $\frac{1}{2}$ oz. \$2.75.

Paris Golden Self-Blanching. Compact, stocky, with golden green leaves. The solid, brittle heart blanches quickly; fine, nutty flavor. Our stock is free from objectionable green plants. Pkt. 15 cts., $\frac{1}{4}$ oz. 45 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$4.50.

Improved White Plume. Tender and of the very best flavor. Pkt. 10 cts., $\frac{1}{2}$ oz. 70 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.50.

CHICORY

Witloof (French Endive). Sow in spring as you would parsnips. The roots are lifted in the fall and trimmed. They may be planted during winter in a box or trench in a cellar or under a greenhouse bench, so that the neck of the root is 9 inches below the top. Then fill level with sandy soil, sand, or manure; through this the familiar white salad appears in about a month. Pkt. 20 cts., $\frac{1}{2}$ oz. 55 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.75.

Large-rooted Magdeburg. The roots, roasted, are an ingredient in French coffee; young shoots provide excellent spring salad. Pkt. 15 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.25.

CRESS (Pepper Grass)

Curled or Pepper Grass. Seedlings used for salads, and they make delicious fillings for sandwiches. Good winter house-grown crop. Scatter seeds thickly on boxes of fine soil and press in gently—do not cover. Also grow on cloth kept continuously damp. Yields in two weeks. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.

Well-keeping Winter Celery

New Easy-Blanching. Like Golden Self-Blanching, but green in color and larger; the leaves blanch white. As good a keeper as any late sort, though maturing only two weeks after Paris Golden. The flesh is crisp and brittle, the flavor excellent. Pkt. 25 cts., $\frac{1}{8}$ oz. 70 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{2}$ oz. \$2, oz. \$3.50.

Winter Queen. Medium large, light green in color. Blanches and keeps well. Pkt. 15 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.50.

Giant Pascal. Pkt. 10 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

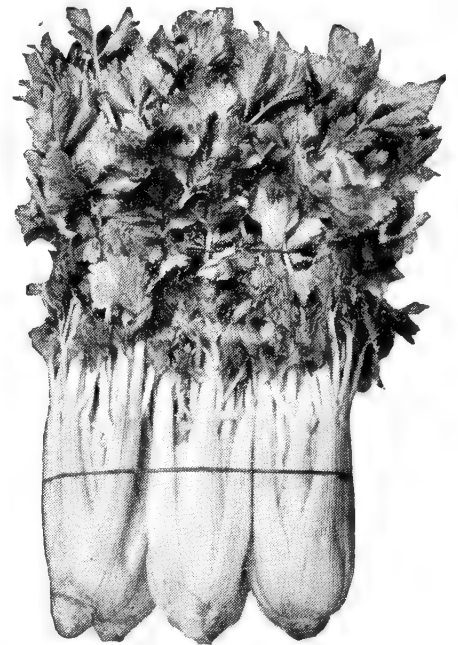
Cutting Celery. (For Soup Greens.) A loose-growing type from which stalks may be cut continuously. Do not earth or blanch. Pkt. 10 cts., oz. 80 cts., $\frac{1}{4}$ lb. \$2.

Celery Seed. Non-germinating. For soups, etc. Oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.

CELERIAC Turnip-rooted Celery or Knob Celery

One ounce sows 150 feet of drill, 3 pounds an acre.

Large Smooth. Turnip-shaped roots, which are white-fleshed, tender, and possess the flavor of celery stalks. This stock produces a good clean bulb, smooth, free from fibrous roots and uniform in shape. A selection from a well-known grower in this section. Pkt. 15 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.75, $\frac{1}{4}$ lb. \$5.



Golden Plume Celery

Celery is a valuable anti-scurvy food. A fair source, also, of calcium and phosphorus

CUCUMBERS

Fair source of vitamin G



Cucumber, Staysgreen

Sow 8 seeds in a group or "hill" the size of a dinner-plate. Hills are flat unless the land is over-moist, when they may be 3 inches above the general level; and they should be at least 4 feet apart each way. Start after mid-May and sow at two-week intervals until mid-July. Thin to 2 or 3 plants per hill.

One ounce will plant about 50 hills, 2 pounds an acre. Yield in about 9 weeks.

A and C. New and better white-spine. Ten inches long, with rounded ends and a very small seed cavity. Dark green skin and white, crisp, solid flesh. Excellent flavor. For slicing and pickling. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.40, lb. \$3.50.

Straight-8. A new green Cucumber of excellent quality. Fruits show no lighter striping, are about 8 inches long and $1\frac{1}{2}$ inches through, symmetrical and uniform. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.40, lb. \$3.50.

New Davis Perfect. Dark, glossy green, slim and symmetrical, 10 to 12 inches long. Flesh brittle and of good flavor. Pkt. 10c., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Improved Early White Spine. Fruits slightly pointed, smooth and deep green; white lines at the blossom-end. Splendid table Cucumber or for pickling. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Cool and Crisp. An excellent pickling or slicing Cucumber of good size, tender and crisp; very early and prolific. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Extra-Long Green. Standard variety about 1 foot in length, of excellent quality; when young makes good pickles. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

Longfellow. A long, slender, very dark white-spine Cucumber, desirable for outdoor planting as well as forcing. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.40, lb. \$3.50.

Staysgreen. Reliable and popular commercial white-spine variety. It holds well its beautiful medium dark green color and ships well. The fruits are 8 to 9 inches long, straight, smooth, and crisp. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.70.

Oriental Climbing. Distinct climbing sort to train on pole or fence. Good for pickling or slicing. The fruit is about 1 foot long, smooth and dark green. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.70.

Green Prolific (Boston Pickling). For pickling, because small. For slicing also. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

West India Cherkim (Cucumis Anguria). Distinct species, cultivated in the same way as the Cucumber. The spiny fruits are gathered when only 2 inches long and are ideal for small pickles. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.70.

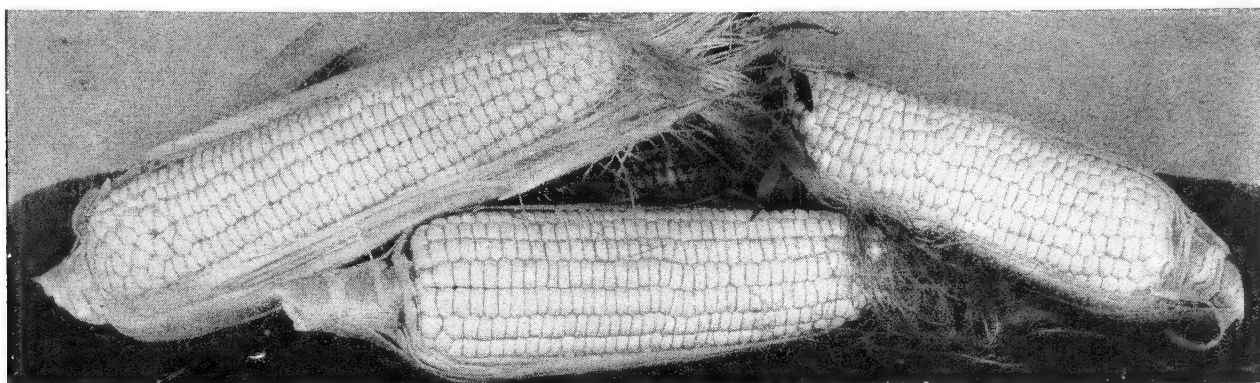
Protect Cucumber plants against squash bugs, beetles and borers as suggested under Muskmelon.

From 6 to 10 good Cucumbers per plant may be expected

Greenhouse Cucumbers

Their culture is exacting; they are of interest to professional gardeners with adequate facilities.

Forcing White Spine. Similar to the outdoor White Spine but larger. It grows freely under glass, and is early, prolific and robust. Pkt. (25 seeds) 25 cts., 5 pkts. \$1.



Stowell's Evergreen Corn

SUGAR CORN

Corn is an excellent source of vitamin B₁ and an outstanding one of the mineral, phosphorus. Two ears per plant is a good average yield.

May be gathered daily from July to frost if you plant every three weeks, from May 1 through July 15. It is a good idea to use more than one variety to keep you further supplied daily with fresh delicious Corn.

Sow in rows 1 inch deep, placing the seeds 3 inches from one another in the drill; later thin the young plants to stand 9 to 12 inches apart. Allow 3 feet between the rows. Or sow in "hills" or groups 2 to 3 feet apart, the size of a dinner-plate, 7 seeds to

each group; later thin to 3 plants per group. Have blocks at least three rows side by side to ensure pollination. Hills or groups are not raised above the general garden level unless the land is very moist; ordinarily they are flat.

Hills or groups of pumpkin and squash may be interplanted among your Corn.

Destruction of the remains of each crop after harvesting is essential to check earworms and corn-borers. Spray with Rotene if Japanese beetles give trouble.

One pound plants 200 feet of drill or 200 to 300 hills.

MIDGET CORNS

For the Small Garden

S. & W. Co.'s Midget. The small plant grows about 30 inches high and the ears are only 4 inches long, but two to five of them are on a single stalk. The white kernels are delicious. Pkt. 75 cts.

Golden Midget. A golden yellow form of our well-known Midget. Equally delectable; the plant is just as dwarf and the ear equally tiny. Pkt. \$1.

New Hybrid Corns

Noted for flavor, quick ripening, heavy yield and disease-resistance.

Lincoln Hybrid. Won the All-America Bronze Medal for 1942; developed by the Connecticut Agricultural Experiment Station. Plants are 5 feet high, robust and very leafy. The 7-inch ears are well filled to the tips with 12 to 16 rows of bright yellow kernels. Tightly sheathed, they resist earworm and bacterial wilt. Ready in 11 weeks. Pkt. 20 cts., 1/2 lb. 40 cts., lb. 70 cts., 5 lbs. \$3.

Allegheny. New yellow variety, medium late, with large ears and deep, very narrow, tender kernels. Table quality is of the best; should prove excellent for the market grower, canner and home gardener with sufficient space for a tall Corn. Pkt. 20 cts., 1/2 lb. 40 cts., lb. 70 cts., 5 lbs. \$3.

Honey Cross. A first-early hybrid of wonderful table quality; probably the sweetest Corn you have ever eaten. It is good for market and for the backyard garden also. Definitely resistant to disease. Ears long, 12- or 14-rowed, with light cream-yellow, medium broad kernels. An improved strain of Marcross. Pkt. 20 cts., 1/2 lb. 40 cts., lb. 70 cts., 5 lbs. \$3.

Golden Cross Bantam. Modern sort, showing remarkable resistance to wilt, increased yield, ability to withstand adverse weather, uniformity of ear, etc. Ears 7 to 8 inches long, 10 to 14-rowed, maturing in 88 days. Pkt. 15 cts., 1/2 lb. 40 cts., lb. 70 cts., 5 lbs. \$2.85.

Silver Cross Bantam. White variety, generally similar to the above; its somewhat larger ear possesses the same high quality, fine sweet flavor and tenderness. So good that it is expected to replace all other white kinds now in use. Ready in 82 days. Pkt. 25 cts., 1/2 lb. 45 cts., lb. 75 cts.

Evergreen Hybrid (Late). Similar to our regular Stowell's Evergreen, but sturdier and more disease-resistant. Pkt. 20 cts., 1/2 lb. 45 cts., lb. 75 cts., 5 lbs. \$3.25.

Early Sorts

Yield in 10 to 12 weeks from planting

New Wonder Bantam. Grows 5 to 6 feet in height, bearing ears 8 to 10 inches in length, filled with 8 rows of rich, golden yellow, sugar-sweet kernels. More vigorous, more productive, and yields larger ears than Golden Bantam. 1/2 lb. 25 cts., lb. 45 cts., 5 lbs. \$1.85.

Golden Wedding. Like Golden Bantam, but the ears are larger and have 12 or more rows instead of 8. In flavor we consider it superior. Resistant to wilt. Pkt. 15 cts., 1/2 lb. 25 cts., lb. 45 cts., 5 lbs. \$1.85.

Golden Bantam. Wonderful for flavor. Plants 4 feet high, usually bearing two or more ears. When ready for the table the ears are creamy yellow. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 45 cts., 5 lbs. \$1.85.

Black Mexican. Jet-black ears; very sweet. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 45 cts., 5 lbs. \$1.85.

Howling Mob. Fine white Corn of sweet table quality. Ears are 7 1/2 inches long, 12-rowed, and are ready in 85 days. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 45 cts., 5 lbs. \$1.85.

Late Sorts

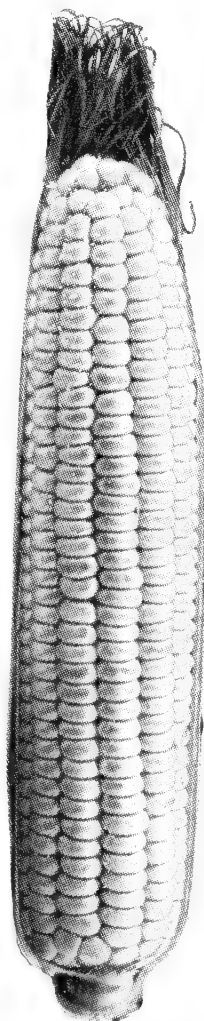
Yield in 13 to 15 weeks from planting

Golden Colonel. A hybrid which has the unsurpassed flavor and rich yellow color of Golden Bantam, along with the shoepeg grains, large zig-zag ear, and 8-foot stature of Country Gentleman. Pkt. 15 cts., 1/2 lb. 25 cts., lb. 45 cts., 5 lbs. \$1.85.

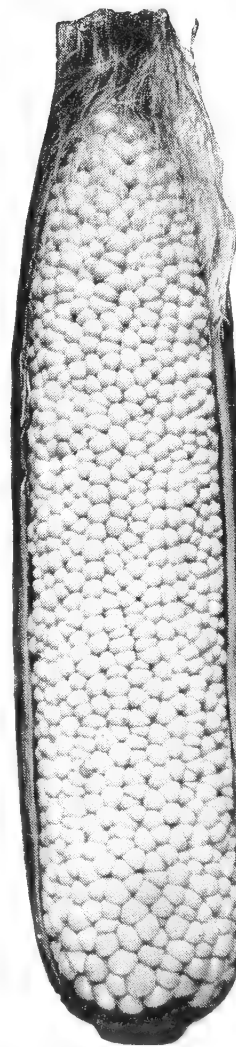
Country Gentleman. Very delicate flavor. The ear is large, cob is small, and the pearly white kernels of great depth. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 45 cts., 5 lbs. \$1.85.

Stowell's Evergreen. The ears are of large size, grains deep, exceptionally tender and sugary. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 45 cts., 5 lbs. \$1.85.

Long Island Beauty. 1/2 lb. 25 cts., lb. 45 cts., 5 lbs. \$1.85.



Golden Cross Bantam



Golden Colonel



Deep Heart Endive

DANDELION

One ounce will plant about 100 feet of drill. Sow in drills 1 foot apart. Thin the plants to stand 4 inches apart. Dandelion may be blanched like endive, or it may be sown later in the season, plants covered lightly with salt hay, and the following spring they will be fit for use.

Large Thick-leaved. Pkt. 15 cts., ½oz. 85 cts., oz. \$1.50, ¼lb. \$4.

Catalogna. Described as the cut-and-come-again Catalonian or Italian Dandelion, Asparagus-Chicory or *Ciccoria Catalogna*. Shoots are a healthful boiled "greens" and a good salad; plant looks like a large, erect dandelion. Pkt. 15 cts., ½oz. 45 cts., oz. 85 cts., ¼lb. \$2.50.

DILL (*Anethum graveolens*)

Seeds, stems and leaves, used green, are an ingredient in Dill pickles. Chopped leaves added to butter or cream cheese make good sandwich fillings. They may be used to garnish fish, or steeped for two weeks to make Dill vinegar. Seeds also used for flavoring preserves.

Sow in a sunny place in spring, in rows 18 inches apart; thin the plants to 12 inches in the rows. Height, 3 feet. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1.

EGGPLANT

One ounce will produce about 1000 plants. Yield in about 11 weeks after planting out.

Sow during March indoors; plant out 2½ feet apart when fine weather has arrived. Or you can purchase plants in late May. See page 95.

Early Beauty. The earliest, large-sized Eggplant. Particularly desirable for sections with short growing seasons. Fruits dark purple, long-globe shape; productive. Pkt. 20 cts., ½oz. 65 cts., oz. \$1.25.

Fort Myers Market. The plants produce a continuing crop of fruit all summer. These are longish oval, large, deep black, and of superior table quality, with none of the objectionable "tang" that is found in some. Resists the diseases to which most sorts are liable. Pkt. 15 cts., ½oz. 65 cts., oz. \$1.25, ¼lb. \$3.75.

New York Improved Spineless. The fruits are large, round-oval, of a rich deep purple-black color and splendid quality. Free from spines. The large fruits are sometimes produced 10 to a plant. Pkt. 10 cts., ½oz. 60 cts., oz. \$1.10, ¼lb. \$3.25.

Long Purple. Pkt. 15 cts., ½oz. 60 cts., oz. \$1.10, ¼lb. \$3.25.

Black Beauty. Early, large sort. Pkt. 15 cts., ½oz. 60 cts., oz. \$1.10, ¼lb. \$3.25.

ENDIVE (*Escarolle*)

One ounce will plant 200 feet of drill, and yield 250 heads; more when thinnings are transplanted elsewhere. Ready 12 weeks after sowing.

May be sown outdoors in early spring, but most gardeners sow seed from middle of June till last of August half inch deep in rows 15 inches apart; thin to 10 inches between plants. When the plants are fully grown, tie the outside leaves over the heart, to blanch it; this will take a week. Do not tie the leaves when wet. Very hardy plant. First autumn frosts improve flavor and texture.

Batavian Cos. A distinct new variety. It is of the Escarolle type, but the growth is upright, with longer and wider leaves; these curve over and protect the very full hearts to blanch them, much like a Romaine lettuce. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1.10, lb. \$2.75.

Deep Heart. A fringed or curly type, but with the general broad-leaved habit of Escarolle. It is more upright, however, giving it a well-filled heart which will blanch better and be less likely to take soil-carried disease. Normally, it is 10 to 12 inches across and 7 to 8 inches deep. Suitable for all market, estate and private gardens. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1.10, lb. \$2.75.

Full-hearted Batavian (Escarolle). A new variety of fine quality, closely resembling Broad-leaved Escarolle on which it is an improvement, but the head is more compact and full; it blanches easily. Pkt. 10 cts., oz. 35 cts., ¼lb. 90 cts., lb. \$2.25.

Green Curled Rose-ribbed. (Self-blanching.) Quicker to mature and more upright in growth than the ordinary type. Grown 6 inches apart, in good, rich soil, the plants quickly crowd so that they blanch. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1, lb. \$2.50.

Green Curled. The leaves are bright green, finely cut and crinkled, giving the plant a handsome appearance. Blanches easily a creamy white. Pkt. 10 cts., oz. 35 cts., ¼lb. 90 cts., lb. \$2.25.

FRENCH ENDIVE. See Chicory.

FENNEL (*Foeniculum vulgare dulce*)

Looks like celery, but with feathery leaves and a sweet anise-like flavor. Leaf-bases are swollen and flattened in the Florence type, which we offer. Served as a vegetable, raw or cooked, while the seeds are used for flavoring. Centuries ago, Fennel was supposed to impart physical strength and cure obesity.

Sow in spring, in rows 2 feet apart, and thin to 8 inches. When the leaf-bases are 2 to 3 inches through, hill the soil around them for blanching, as you would celery. Height, 2 feet. Pkt. 15 cts., oz. 55 cts., ¼lb. \$1.75, lb. \$5.

KALE (*Borecole*)

Sow in May, June, or July in shallow drills; when large enough, transplant singly into rows, allowing 24 inches between the plants.

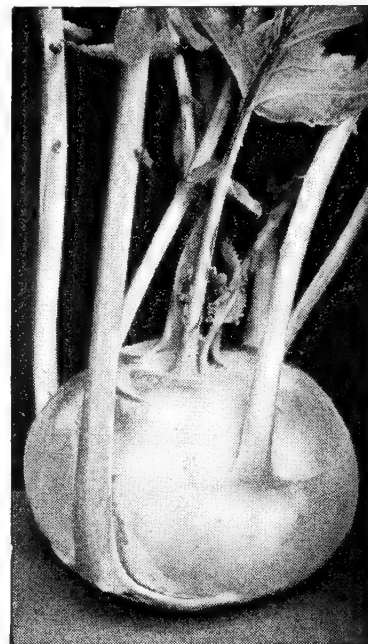
One ounce will produce about 3000 plants. A 25-foot row will yield 4 bushels of healthful food. Ready to cut in about 10 weeks.

Highly resistant to cold, it is at its best after being subjected to autumn frosts.

The following decorative plants are not out of place in the flower garden.

Dwarf Green Curled Scotch. Is at its best after frosty weather has set in. The leaves are curled like fine parsley. Pkt. 15 cts., oz. 55 cts., ¼lb. \$1.65, lb. \$5.

Siberian Kale or Sprouts. Not so densely curled, but hardy and yields heavily. Known as "German greens." Pkt. 10 cts., oz. 40 cts., ¼lb. \$1, lb. \$2.75.



Kohlrabi

KOHLRABI

Turnip-rooted Cabbage

Sow in early spring in rows 18 inches apart, and thin away the plants to 6 inches. Sow again in summer for an autumn crop. Delicious when gathered about 2 inches in diameter; large roots become woody on unfavorable soil.

Insects and diseases which attack brussels sprouts (which see) sometimes trouble Kohlrabi; generally, however, the plant is of the simplest culture.

One ounce will plant about 200 feet of drill, and yield over 200 pounds. Ready in 8 to 9 weeks.

Earliest Selected. Very refined flavor. The leaves are small, so this Kohlrabi may be used for forcing, as well as for outside planting. Pkt. 20 cts., ½oz. 75 cts., oz. \$1.40, ¼lb. \$4.25.

Early White Vienna. Pkt. 15 cts., ½oz. 65 cts., oz. \$1.20, ¼lb. \$3.25.

Early Purple Vienna. Pkt. 15 cts., ½oz. 55 cts., oz. 95 cts., ¼lb. \$3.

HORSE-RADISH

The parsnip-like roots of this strong-growing hardy perennial plant are grated to furnish the familiar sauce served with meat, oysters, and fish.

Cuttings. Will produce good Horse-Radish in one season. Plant in rich soil so that the top of the root will be 2 inches underground. 50 cts. per doz., \$2.75 per 100.

Here are some interesting facts regarding five of the vegetables on this page:

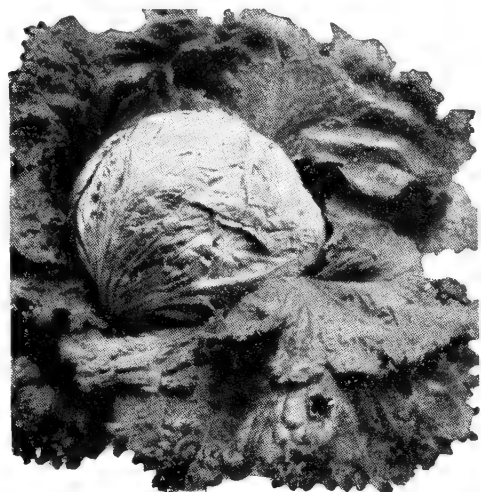
DANDELION is an outstanding source of vitamin A and a good one of vitamin G. It is high in calcium, iron and copper.

EGGPLANT supplies vitamin G also, and a fair amount of copper.

ENDIVE is outstanding in vitamin A, good source of vitamin G, and a fair supply of calcium and iron.

KALE is outstanding for vitamin A with a fair amount of vitamins C and G. High in calcium, with a good amount of phosphorus and fair quantity of iron.

KOHLRABI is an excellent source of vitamin C; a fair one of G. Also contains a good amount of phosphorus and copper and a fair amount of calcium.



New York Lettuce

LETTUCE

Lettuce is a "Protective Food." It contains fair amounts of calcium, phosphorus and iron; as much vitamin A, B₁ (Thiamin) and C as milk, and as much vitamin G (Riboflavin) as whole-wheat bread.

About the middle of March sow indoors. When seedlings are about 3 inches tall, transplant them to the garden, 1 foot apart. These plants should give you well-developed heads by Decoration Day.

As soon as the ground can be worked outdoors, sow early sorts. Gradually thin until the plants finally stand 12 inches apart. After mid-May, do not sow early kinds, but select sorts like Salamander and New York No. 44. Make repeated sowings. In August sow the variety Thanksgiving Day.

One ounce will plant 400 feet of drill. Matures in from 11 to 12 weeks.

New York or Wonderful and Iceberg Types

These provide the "Iceberg" Lettuce of the vegetable store. All are crisp, with crumpled leaves and a creamy white heart. Here are the latest sub-strains. Let us recommend No. 44 for low land, black and rich; Nos. 515 and 847 if it is more loamy; PW 55 for earliest crop.

New York PW 55. For your first spring Lettuce; other kinds are better in the warmer months. It has splendid table qualities, being crisp and flavorful. Plants are of medium size, compact and tight. For both the commercial grower and amateur. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.40.

Imperial No. 44. Withstands hot weather and will hold back its seed-heads longer. Leaves are mid-green, thick, and the creamy white head is firm and somewhat flattened. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.40.

Imperial No. 847. Black seed. Gives good results on upland soil. Best early transplanted crop and for the first field planting. Excellent for autumn use. Heads are medium green, well rounded, solid, and with a short core. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.40.

New York No. 515. Suitable for the conditions around New York and in demand among the growers in this area. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.40.

New York No. 12. Plant large; dark green, crisply curled leaves, tightly folded, large cabbage-like head, which is well blanched, crisp and sweet. Suitable for spring and late summer plantings. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.40.

NEW YORK or WONDERFUL and ICEBERG TYPES, continued

Great Lakes. Won top honors in the All-America Seed Trials for 1944. The crisp cream-white head develops readily. Slow to bolt, even in midsummer. Pkt. 25 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.

Cosberg. Distinct, small, and suitable for the home-garden. Pale, soft green leaves, and medium-sized, solid crisp heads. Stands heat well. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$3.25.

Iceberg (California Simpson). A splendid, crisp-head sort. Has strong center ribs, which bend toward the heart of the plant, keeping it thoroughly blanched. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.05, lb. \$2.60.

Other Heading Lettuce

Bibb. Medium size; quick. Excellent in the New York area, and grown in the South for northern markets. Leaves smooth, dark green; and the small firm head blanches to an appetizing cream. Pkt. 25 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Big Boston. White seed. As an early spring variety it is reliable, and it is suitable for autumn growing also, but it does not do well as a summer Lettuce. The heads are large, and fine-flavored. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

May King. Unquestionably one of the best all-round, early, outdoor Lettuces, forming solid heads of bright green, the edges of the center leaves tinged brown; the heart is yellow and of ideal flavor. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.05, lb. \$2.60.

Mignonette. A curled heading Lettuce of medium size, very solid, compact, and hard. It is brown in color, with a white heart. Resistant to heat. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.45, lb. \$3.75.

Salamander Perfected. (Black-seeded Tennisball.) An excellent large summer variety, with tightly folded leaves covering the light golden center. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.05, lb. \$2.60.

Thanksgiving Day. A fine-flavored Lettuce for sowing in summer to produce a late crop. Outer leaves are brown and fringed, but the firm, solid head is bright gold-green. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$4.75.

Tom Thumb. For indoor culture. Small, firm heads are of excellent quality; leaves are dark green and very crumpled. Suitable outdoors for spring and fall. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.45, lb. \$3.75.

Unrivalled Summer. Quick-growing sort which forms large heads similar to Big Boston but lighter in color. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$2.85.

The secret of making Lettuce head up is (1) rich soil, (2) sufficient moisture to insure uninterrupted growth, (3) planting so that the Lettuce matures during the cooler part of the early summer or autumn, (4) continued hoeing.

Non-heading or Loose-leaved Lettuces present no problem. Following is the rating of heading kinds with regard to ease of cultivation:

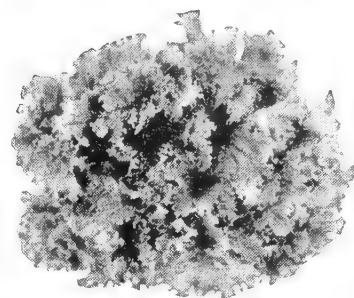
Cos or Romaine types

Big Boston

Imperial No. 44

Salamander; Thanksgiving Day, etc.

Protect newly transplanted Lettuce against cutworm with Treated Paper Collars, or hunt for the worms near the plants just under the surface, in early morning.



Early Curled Simpson Lettuce

Loose-leaved Lettuce

Early Curled Simpson. Splendid curly-leaved sort. Seed sown in the coldframe about the middle of March and transplanted about the middle of April will supply the table in May and June. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.10.

Grand Rapids. There is no better forcing variety than Grand Rapids, and it is quite as good for outdoor culture. Large, beautiful leaves; crisp and tender. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.35.

Black-seeded Simpson. Excellent outdoor variety. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.10.

Oakleaf or Summer Triumph. Semi-heading, and a decided novelty. Small leaves shaped as the name suggests. Stands heat; is never bitter; always buttery and sweet. Pkt. 20 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$5.

Cos or Romaine Lettuce

Upright-growing type. When about a week short of maturity, it is usual to draw the outer leaves together and tie them, blanching the inner heart and greatly enhancing its noted crispness and fine flavor.

Cos Lettuce is easy to grow, slow to bolt to seed and economical of garden space.

Giant White Cos. Although this fine Cos Lettuce attains a large size, the immense heart is crisp, tender, and excellent; self-closing. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85c.

Dark Green Cos. A new mammoth sort, self-closing, resistant to cold, and slow to bolt during hot weather. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.35.

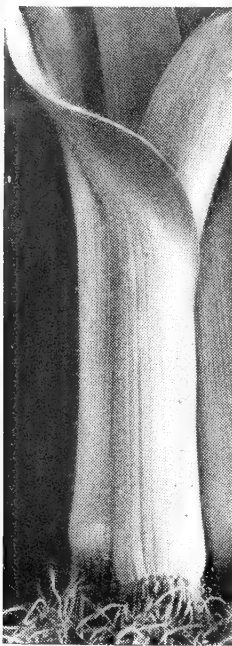
Paris White Cos or Romaine. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.10.

Trionon Self-closing Cos. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.35.

Matchless. Midway between heading and Cos types. The dark green leaves are pointed and do not form a tight head, but they, especially the midribs, are most palatable. Pkt. 25 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.



Giant White Cos Lettuce



LEEK

Mild-flavored onion-like plants, cooked and served like asparagus. Sow seed in early spring outdoors and thin to 6 inches (or transplant them) in trenches 6 inches deep, in rich soil, 15 inches from trench to trench. Fill up the trenches as the plants grow, and later draw soil up to them. As a result you will have fine, large Leeks blanch a half foot long, which may be kept all winter if dug up with the roots on and stored in the sand in the cellar.

One ounce will plant about 100 feet of drill or yield over 1000 seedlings for transplanting. About 18 weeks from seeding to edible stage.

S. & W. Co.'s Exhibition. Preferred by prominent exhibitors in

American Flag Leek

vegetable competition. Pkt. 35 cts., 3 pkts. \$1.

Large American Flag. A large-growing type. On account of its dependability and ease of culture, is widely used for both family and market. Pkt. 20 cts., 1/2 oz. 90 cts., oz. \$1.75, 1/4 lb. \$4.

Musselburgh. A very hardy variety of extra-large size. The leaves are fan-shaped, of a dark green color. The edible stem is 6 to 8 inches long and 3 inches in diameter. Pkt. 20 cts., 1/2 oz. 90 cts., oz. \$1.75, 1/4 lb. \$4.

Here is the vitamin and mineral rating of these vegetables

LEEK. Vitamin F, fair. Copper, outstanding; phosphorus, good.

MELON. Excellent source of vitamin C; good one of A and B₁; fair one of G.

MUSTARD. Vitamins B₁, good; C and G, excellent. Calcium and iron, outstanding; phosphorus, excellent.

MUSHROOMS

Not particularly nutritious but are valuable for their zestful flavor. Turn fresh manure every day for four days; then build beds with it, 1 foot thick when tamped firmly. As the internal temperature falls to 85 degrees, plant the spawn, broken into walnut-size pieces. Cover with 3 inches of hay for a week; remove, and spread 1 inch of soil in its place. Keep building at 60 degrees, and moisten walls and floors daily. Because of this, cellar of average home is unsuitable. Gathering should begin in six weeks.

May be plugged into the lawn, and a crop of Mushrooms looked for in the autumn.

Bottle Spawn. Spores selected from specimen Mushrooms and propagated in sterile bottles, the Spawn removed, dried, and packed in cartons. Excluded are spores of other fungous growths. One quart will spawn 35 square feet. Qt. \$1.25, 6 qts. \$6.50, 12 qts. \$12.

NOTE. We have discontinued listing Brick Spawn.



Mushrooms Grown from Bottle Spawn

MUSKMELON (Cantaloupe)

Not difficult to grow these delicious fruits. Sow the seed in April under Hotkaps and in the open air in May in hills or groups the size of a dinner plate and 5 feet apart each way. Use in each group from 8 to 10 seeds. When the plants have produced their rough leaves, thin out to 3 plants per hill. As soon as the plants make their appearance above ground keep them dusted with Hortex or similar material to kill squash bugs (brown, half-inch long) and cucumber beetles (quarter inch, yellow, three black stripes). For borers, slit stem longitudinally, take out worm, cover section of stem with spadeful of soil.

One ounce will plant about 80 hills. Each hill should produce 6 or more perfect melons. Yield in from 12 to 16 weeks.

Golden or Orange-fleshed

Iroquois. A new Melon, developed at Cornell Agricultural College. Very similar to Bender's Surprise, but it is not quite so early; nor is it as large, and its shape is more oval. But the flesh is thicker, a deeper and richer color and of the best flavor possible, with a delightful aroma. Pkt. 25 cts., 5 pkts. \$1.

Bender's Surprise. An almost round melon of medium size, with very thick, sweet, pink flesh of luscious, melting quality. The dark green, heavily netted skin ripens to an attractive gold. Pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$3.

Hale's Best. Most superior melon of the Rocky Ford type; oval shape. Quick to produce its fruits; the flesh is salmon-orange, sweet, and of fine quality. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1, lb. \$2.75.

Selected Emerald Gem. The skin is a rich deep green, and smooth; flesh salmon color and of delicious flavor. A very early and prolific variety. Pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$3.

Hearts of Gold or Improved Hoodoo. Ideal shipping melon of the finest quality. Flesh very thick, firm, of fine texture and delicious flavor. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1, lb. \$2.75.

Golden Delicious. Golden! Delicious! Its remarkable speed from seeding to yield is also one of its qualities. Pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$3.

Green-fleshed

Honey Gold. A new, early, and very handsome commercial sort; good, also, for the home-garden. The grapefruit-like melons are medium in size and very fleshy, because the seed-cavity is small and the rind very thin. Fine sweet flavor. Pkt. 25 cts., 1/2 oz. \$1.50, oz. \$2.50.

Rocky Ford. The fruits weigh from 1 1/4 to 1 1/2 pounds each. Thick meat, green in color, fine in flavor, with thin rind; skin light green, ribbed and heavily netted, ripening to a golden yellow. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1, lb. \$2.75.

"10/25" Salmon Tint. The fruit is heavily and evenly netted, very uniform in size, rust-resisting, and early; the flesh is a rich gold in the center, shading out to emerald-green near the rind. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1, lb. \$2.75.

Early Hackensack. An early strain of the one-time famous Hackensack variety. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1, lb. \$2.50.

Cassaba. They are true winter melons. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.35, lb. \$3.50.

Cranshaw (Cassaba). Popular variety, often seen on the N. Y. market. Pkt. 25 cts., 5 pkts. \$1.

Honeydew (Cassaba). Very sweet variety. The flesh is green and very thick. Pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$3.25.



Muskmelon, Bender's Surprise

MUSTARD

Sow frequently through the spring, in drills 12 inches apart; thin to 6 inches. The first three varieties are used for healthful boiled "greens," and are, possibly, the quickest garden crop; gather leaves when they are young, and discard the stems, which may be stringy. Seedlings of White London are used for sandwich material.

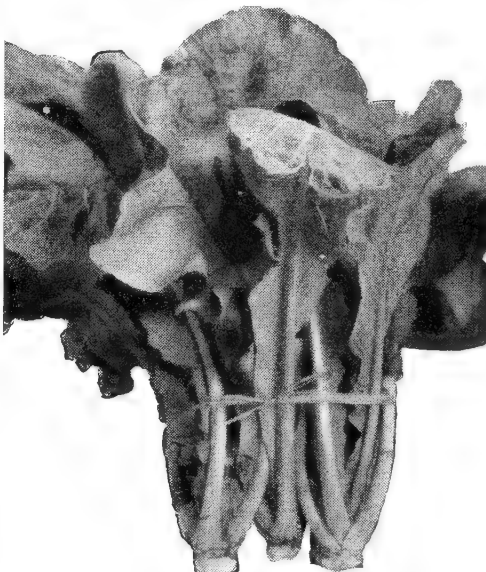
One ounce will plant 100 feet of drill.

Fordhook Fancy. A variety with crested and cut leaves, and having a feathered appearance. The flavor is inviting, while the plant possesses tonic properties. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 75 cts., lb. \$1.65.

Giant Southern Curled. Grows 3 feet tall, and the broad, succulent leaves are frilled. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 75 cts., lb. \$1.65.

White London. Often raised indoors; broadcast seed on fine soil and press in lightly—don't cover. May also be grown on cloth kept moist. Ready in about ten days. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1, lb. \$2.75.

Mustard Spinach (Tendergreen). A new boiling vegetable, healthful and palatable. Has a pleasant flavor, and many who do not like true spinach will relish it. Cut within a month of sowing seed. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 90 cts., lb. \$2.



Tendergreen Mustard Spinach

ONION

One ounce will plant 100 feet of drill and yield 100 to 150 pounds of food. 5 to 6 pounds of seed per acre.

Mild White Varieties

S. & W. Co.'s Southport White Globe.

Produces handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained and of mild flavor. Pkt. 15 cts., ½oz. 60 cts., oz. 95 cts., ¼lb. \$2.85.

White Portugal or Silverskin. A mild variety, used for pickles. Tender and altogether fine. Pkt. 15 cts., ½oz. 60 cts., oz. 95 cts., ¼lb. \$2.85.

White Bunching. For scallions and small onions. Pkt. 10 cts., ½oz. 50 cts., oz. 85 cts., ¼lb. \$2.50.

Evergreen Bunching. Long, white sort; may be sown in spring or fall. Protect over winter with salt hay or leaves. A tender, mild "Scallion." Pkt. 15 cts., ½oz. 60 cts., oz. 95 cts., ¼lb. \$2.85.

White Pickling. When matured, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate, perfectly adapted for pickling and table use. Pkt. 15 cts., ½oz. 60 cts., oz. 95 cts.

Leading Yellow Kinds

S. & W. Co.'s Southport Yellow Globe.

It has large and uniformly spherical bulbs with very small necks. The largest diameter is below the center of the bulb. The color is a rich orange-yellow. Keeps splendidly. Pkt. 15 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.65.

Early Yellow Globe. Attractive, deep yellow Onion, medium large in size with a tight skin; keeps well. Pkt. 15 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.65.

Yellow Globe Danvers. A splendid keeper, producing well-rounded bulbs about 2½ inches in diameter; skin light golden yellow; flesh white, crisp, and mild. Pkt. 10 cts., ½oz. 45 cts., oz. 80 cts., ¼lb. \$2.25.

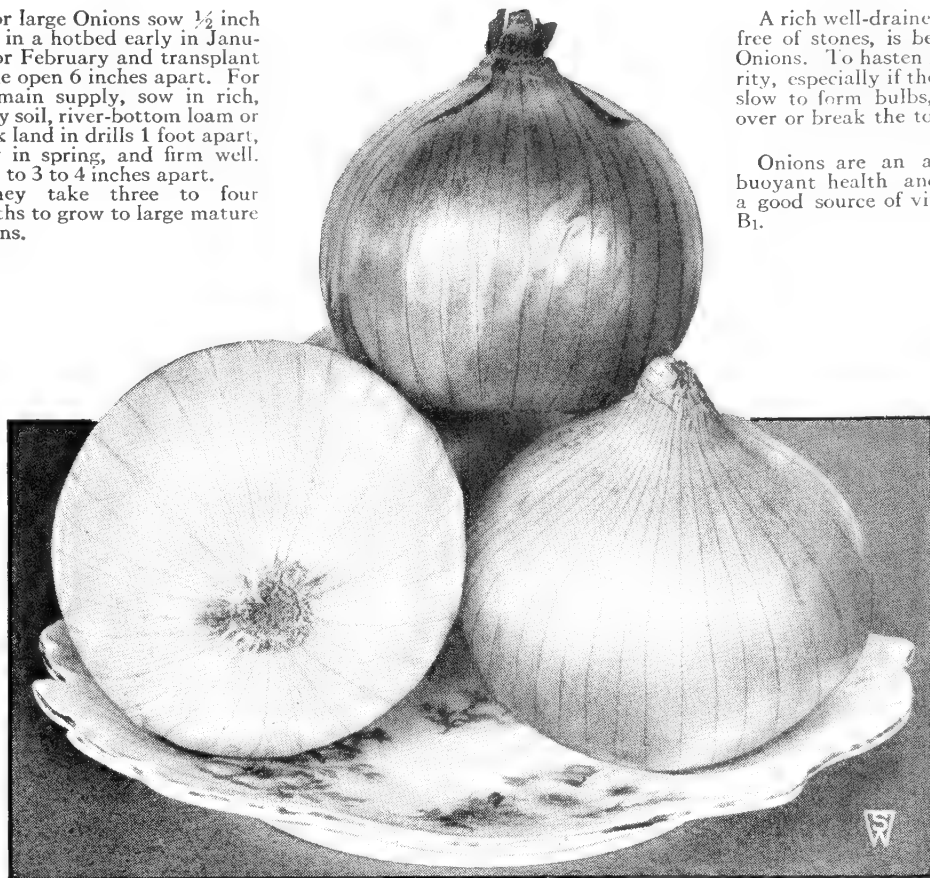
Ebenezer. A dark yellow variety. Bulbs are deep, flat, or medium size, very firm, with a thick skin. Early and keeps well. A popular Onion. Pkt. 15 cts., ½oz. 45 cts., oz. 80 cts., ¼lb. \$2.25.

For large Onions sow ½ inch deep in a hotbed early in January or February and transplant to the open 6 inches apart. For the main supply, sow in rich, sandy soil, river-bottom loam or muck land in drills 1 foot apart, early in spring, and firm well. Thin to 3 to 4 inches apart.

They take three to four months to grow to large mature Onions.

A rich well-drained soil, free of stones, is best for Onions. To hasten maturity, especially if they are slow to form bulbs, bend over or break the tops.

Onions are an aid to buoyant health and are a good source of vitamin B₁.



S. & W. Co.'s Southport Globe Onions

Long-keeping Red Onions

S. & W. Co.'s Southport Red Globe. This variety has a deep red skin and is almost a perfect globe. Size large, flesh fine-grained, mild and tender. Pkt. 10 cts., ½oz. 45 cts., oz. 80 cts., ¼lb. \$2.25.

Large Red Wethersfield. This is the standard red variety, and a favorite wherever Onions are grown for shipment. Bulb large, somewhat flattened, skin deep purple-red; flesh purplish white, moderately fine-grained, and with a strong flavor. The best keeper, and one of the most popular for general cultivation. Pkt. 10 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.15.

Onion Sets

One pound plants 100 feet.

Sets are tiny bulbets grown from seed sown thickly last summer. They will produce green, bunch or pulling Onions in four to six weeks, much quicker than will seed. They may be allowed to remain, and develop into full-size Onions sooner than from seed. Garlic divides and increases in the soil. Egyptian Onions are autumn-planted hardy perennials, yielding green pulling Onions every spring.

	Lb.	4 lbs.	8 lbs.
White Onion Sets . . .	\$0 55	\$2 10	\$4 00
Yellow Onion Sets . . .	50	1 90	3 75
Yellow Ebenezer Sets . . .	50	1 90	3 75
Red Onion Sets	50	1 90	3 75

Plant the above Sets 2 inches deep and 2 inches apart for pulling Onions and 4 inches apart for large ones.

Egyptian Top Onions. Fall delivery. See Autumn Catalogue for price.

Garlic Sets. Separate the cloves; plant at 6-inch intervals. Lb. 75 cts., 5 lbs. \$3.50.

Extra Large-growing Kinds

S. & W. Co.'s Selected Ailsa Craig. This Onion is one of the largest grown. It is a very handsome, oval-shaped variety with pale straw-colored skin. For exhibition it is unexcelled, and to attain its largest size it should be sown in January and transplanted. Keeps well and has a mild flavor. A splendid variety. Pkt. 20 cts., ½oz. 60 cts., oz. 95 cts., ¼lb. \$2.85.

Prizetaker. Uniform in shape and of immense size. Under special cultivation bulbs have been raised to weigh from 2 to 3 pounds each. Pkt. 15 cts., ½oz. 60 cts., oz. 95 cts., ¼lb. \$2.85.

Riverside Sweet Spanish. The largest, sweetest, best-keeping, and most uniform of the Spanish Onions. Globular in shape, with golden yellow skin and white flesh; the strain we are offering is very mild. We recommend it highly. Pkt. 20 cts., ½oz. 60 cts., oz. 95 cts., ¼lb. \$2.85.

Bermuda Onions

These are large, flat, quick-growing types, with a pleasant, mild flavor.

Crystal Wax (White Bermuda). Pkt. 20 cts., ½oz. 70 cts., oz. \$1.30, ¼lb. \$3.50.

Yellow Bermuda. Pkt. 15 cts., ½oz. 60 cts., oz. \$1.15, ¼lb. \$3.

Red Bermuda. Pkt. 15 cts., ½oz. 60 cts., oz. \$1.15, ¼lb. \$3.

GROW FOOD

To release more for our Fighting Forces and Allies



White Portugal Onions

OKRA or GUMBO

Adds a mucilaginous quality and a piquancy to soups; may be served alone as a pleasing vegetable. Young pods only are used; when old they have no value. Ready about 9 weeks after sowing.

Sow in late May in drills 1 inch deep and 2½ feet apart; thin to 12 inches.

One ounce will plant about 100 feet of drill.

Clemson Spineless. A new and improved sort, almost spineless and of excellent quality. For both the home and market garden, and for canning. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$2.

Lady Finger. Very productive; extra-long, slender, rounded pods. Pkt. 10 cts., oz. 25 cts., ¼lb. 55 cts., lb. \$1.25.

Long Green. Long ribbed pods. Pkt. 10 cts., oz. 25 cts., ¼lb. 55 cts., lb. \$1.25.

White Velvet. Pods are round, smooth and white; superior flavor. Pkt. 10 cts., oz. 25 cts., ¼lb. 55 cts., lb. \$1.25.

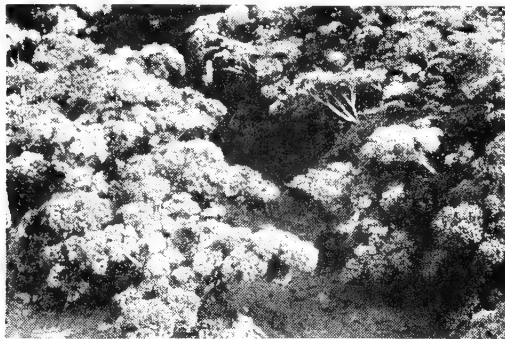
Dwarf Green. Short, deep green pods. Pkt. 10 cts., oz. 25 cts., ¼lb. 55 cts., lb. \$1.25.

PARSLEY

Parsley should be used freely in salads, soups and sauces. An outstanding source of vitamins A and C, and a good source of B₁; it supplies calcium, phosphorus, iron and copper.

Sow early in the spring in drills 1 foot apart and ½ inch deep. Thin out the young plants to 4 inches. Hamburg Parsley should be treated the same as Carrot.

One ounce will plant about 150 feet of drill, and yield over 150 good bunches. Ready in about 10 weeks.



Evergreen Parsley

Evergreen. A new rapid-growing, vigorous sort that will give you Parsley later in the autumn because it is more resistant to cold. Larger, denser, more spreading and very dark in color. Tightly curled, but its sturdiness is associated with slightly coarser cut leaves. Ideal for the market man as well as the private grower. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1.

Champion Moss Curled. A particularly beautiful type. A bed of this has the appearance of fine moss. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$2.

Extra Double Curled. A market variety. The leaf is finely cut, curled and vivid green. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$2.

Exhibition Curled. Remarkable for its extra-fine leaves and its dense habit of growth. Seed saved from exhibition plants. Pkt. 25 cts., 5 pkts. \$1.

Plain. Known widely as Italian Parsley. Used for flavoring. Pkt. 10 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$1.50.

Hamburg or Rooted. The roots of this type resemble parsnips. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$2.



World Beater Pepper

PEANUTS

These require similar soil conditions and temperatures to garden corn. Remove the outer shell without injuring the kernels, and sow the latter in drills 2½ feet apart and 1½ inches deep. Allow 9 inches between one "nut" and the next in the row.

Improved Spanish. Though small, this is a quick-growing sort and one that is suitable for northern gardens. Pkt. 10 cts., lb. 70 cts.

California Long Red. Larger than the above but slower to mature. Plant this variety south of the latitude of New York, where the longer summer will enable it to yield a heavy crop. Pkt. 10 cts., lb. 70 cts.

PARSNIP

Good source of vitamin C; fair source of B₁ and G. Supplies phosphorus and copper.

Sow as early in spring as the ground can be worked, ½ inch deep and in drills 15 inches apart. Thin to 4 inches between plants. The quality of the roots is improved after frost; they may be allowed to remain in the ground all winter.

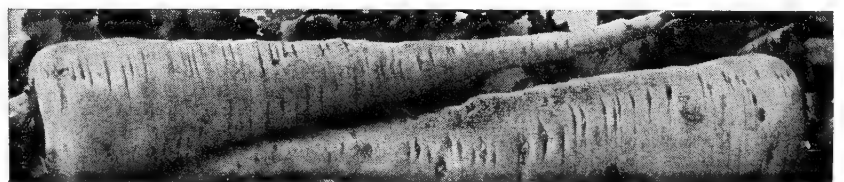
One ounce will plant about 200 feet of drill and yield 300 or more pounds; use 5 to 6 pounds of seed per acre. Takes 15 weeks from seed to maturity.

Improved Hollow-Crown. Fine 12-inch roots, clean, well shaped and smooth. Excellent for table or exhibition. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.50.

New Intermediate. The root is somewhat flattened and top-shaped, about 6 inches long and 4 inches across the thickest part. It matures quickly. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.50.

Selected Exhibition. Produces roots several feet in length and ending in a fine whip-thong. The surface is smooth and white. The flavor is mild and sweet. Pkt. 25 cts., 5 pkts. \$1.

Although Parsnips take all season you may practice companion-cropping by sowing Parsnips, Beets and Radishes at the same time. You pull Radishes in four weeks, Beets in ten, Parsnips in fall, from the same row.



Improved Hollow-Crown Parsnips

PEPPER

Outstanding source of vitamin C, and a fair one of A and G.

All varieties may be used either green or red; green Peppers are unripe red Peppers.

They should not be planted out until settled warm weather has arrived. The seed may be sown in a hotbed, coldframe, or a box in a sunny window; transplant 18 inches apart each way. Protect against cutworm with Treated Paper Collars.

One ounce will produce about 1000 plants. From a 25-foot row you should gather 30 pounds or more of good Peppers. Pick 9 to 12 weeks after setting out.

Splendid Sweet Peppers

World Beater. One of the largest and most handsome. The fruits are 3½ inches in diameter by 5 inches long, four-lobed, and the flesh is very thick, mild, fine and sweet. Early. Pkt. 15 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.75.

Perfection Pimiento. The meat is very thick. The quality is very sweet and delicious, and entirely free from pungency. In color, when ripe, it is a beautiful scarlet-red. Pkt. 15 cts., ½oz. 55 cts., oz. \$1, ¼lb. \$2.75.

Chinese Giant. This is the standard large sweet Pepper. It is quite early to ripen and very productive for so large a variety. The fruits are 4 to 5 inches broad at the top, and of equal length. The flesh is mild and unusually thick. Pkt. 15 cts., ½oz. 65 cts., oz. \$1.25, ¼lb. \$3.50.

California Wonder. An early-yielding variety with the thickest kind of high-quality flesh, and one of the sweetest. Its scarlet fruits are tremendous, sometimes measuring 6 inches deep and 6 inches through. Pkt. 15 cts., ½oz. 55 cts., oz. \$1, ¼lb. \$3.

Large Bell or Bull Nose. A large, early variety of pleasant mild flavor. Favorite for green stuffed Peppers. Pkt. 10 cts., ½oz. 45 cts., oz. 85 cts., ¼lb. \$2.50.

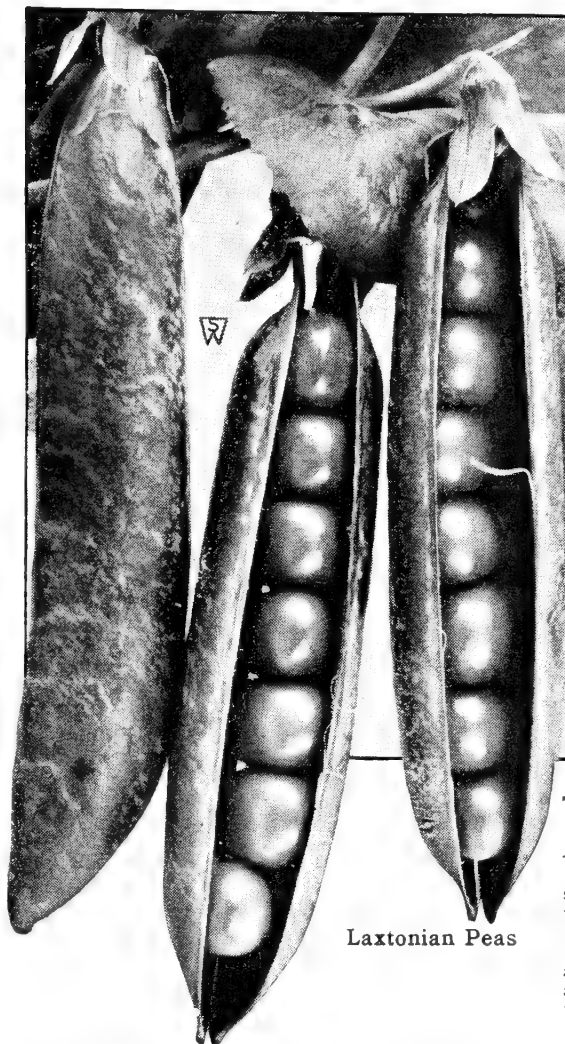
Neapolitan (Jersey Sweet; White Cap). Early and a heavy yielder. Its fruits grow upward, not pendent. They are bright red, sweet, fine, and tender. Pkt. 10 cts., ½oz. 55 cts., oz. \$1, ¼lb. \$2.75.

Ruby King. Fruits are 4½ to 6 inches long, 3½ inches thick, and bright red. Used both for pickles and slicing. The flavor of the fruits is mild and pleasant, with just a slight suspicion of piquancy. Pkt. 10 cts., ½oz. 45 cts., oz. 85 cts., ¼lb. \$2.50.

Hot Peppers

Hungarian Wax. Pungent. Matures early. Fruits 5 to 6 inches long. Pkt. 20 cts., ½oz. 60 cts., oz. \$1.

Long Red Cayenne. Fruits 4 inches by 1 inch; bright red; prolific; hot. For pickling, both green and ripe. Pkt. 15 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.75.



Laxtonian Peas



GREEN PEAS

Sow round, smooth-seeded sorts as early in the spring as possible, and the superior-flavored wrinkled Marrow varieties two weeks later. Use several kinds at each seeding to insure a long productive season. Place the Peas 2 inches deep and about 1 inch apart in single or double rows 2½ feet asunder. Thin to 3 inches. Sorts over 1½ feet need the support of brush or wire.

If you have not grown Peas in your garden before, you should treat the seed with Legume-Aid.

One pound (equal to about 1 pint) plants 100 feet.

Early Smooth-seeded Sorts

Dwarf Early Bird. Hardy; sow it very early, and in 60 days you begin picking the 4-inch-long pods packed with good-quality Peas. Height 16 inches. ½lb. 25 cts., lb. 45 cts., 5 lbs. \$1.85.

First of All or Pedigree Extra-Early. A splendid cropper. Peas very tender, of good flavor and carried in long, tightly filled pods. 60 days from planting to picking. Height 30 inches. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 5 lbs. \$1.75.

Early Wrinkled Sorts

(Marrowfat)

Giant-Pod Hamper. A new 65-day Pea with dark green, pointed, heavily filled 4½ to 5-inch pods. Large wrinkled Peas, very tender and of fine flavor. Thrifty plant grows 2 feet high. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Gradus or Prosperity. One of the standard sorts. Vines have light green leaves and grow about 3 feet high. Pods uniformly large, 4 to 4½ inches in length, well filled and handsome. Very early, and the Peas are of fine flavor. 65 days from seed to picking. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Peas are a valuable protein food, an excellent source of vitamin B₁, a good one of vitamin G and a fair one of A. Outstanding in their phosphorus content, they also furnish iron and copper.

The average yield from a 25-ft. row of dwarf Peas is 25 to 30 lbs. of pods; about 25 per cent more for tall sorts.

EARLY WRINKLED SORTS continued

Laxtonian. The large pods are filled with large, luscious Peas. It is ready for use about a week later than the very early sorts. The plant grows about 1½ feet high, and is of a rich dark green color. 62 days. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Laxton's Progress. The pods are 4 inches long and are filled with 8 large, melting, sweet Peas. The plant grows 1½ feet high. A variety that is excellent in every way. 60 days. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Little Marvel. Eighteen inches high, heavily set with fine pods, usually in pairs. Pods are 3½ inches in length, square, filled with large, deep green Peas. 62 days. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Sawco Market. Vines robust, growing from 2 to 2½ feet high, bushy, with dark green leaves. Pods filled with 8 to 11 Peas of delightful flavor. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Sutton's Excelsior. Dwarf and very productive. Height 1½ ft. Matures in 63 days. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Thomas Laxton. The Peas are of extra-fine quality, tender and of good flavor. Height 3 ft. Ready for picking in 63 days. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

World's Record. An improved Gradus, but somewhat earlier and showing even a higher yield. Yields in 61 days. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Main-Crop Wrinkled Sorts

(Marrowfat)

Alderman. On generous soils it grows to a height of 5 to 6 feet. The pods contain seven large, elongated, dark green Peas of the highest quality. Eleven weeks from planting to picking. Height 6 ft. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Boston Unrivalled or Telephone. A fine tall late variety. The yield of pods is good and they are uniformly well filled. Attains a height of 5 feet. Twelve weeks from seed to harvest. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Potlach. The best dwarf, extremely late Pea. Healthy bluish green vines bearing loads of deep green pods. Height 2 ft. A continuous bearer from July 1 to 15 in most seasons. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Quite Content. One of the largest-podded Peas in existence. This variety is preferred by many growers on account of its size. 5 ft. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Sawco Forty. A dwarf plant which produces pods 5½ to 6½ inches long. At a flower show where pods of this variety were being exhibited, a wit placed a sign above them reading, "These are Peas, not Bananas." Their cooking quality is of the best. 75 days from sowing to harvest. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Edible-podded Sugar Peas

Used in the same manner
as wax beans

Luscious Melting Sugar. Large, broad pods which are so brittle that they snap with no string. 5 ft. Ten weeks from seed to yield. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Very Dwarf White Sugar. Height 25 inches. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.



Sweet or Sugar Pumpkin

PUMPKINS Good source of vitamin A

Plant May 15 in "hills", or groups 8 to 10 feet apart, and otherwise treat in the same manner as melons.

One ounce will plant 50 hills.

Fruits are ripe 15 to 18 weeks after sowing seed and 4 to 5 per hill may be expected.

Large Cheese. Fruit flattened, the diameter being three times more than the thickness; skin mottled light green and yellow, changing to rich cream-color as it matures; flesh excellent quality. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 75 cts., lb. \$2.

Sweet or Sugar (New England Pie). The fruits are medium to small in size, of a bright orange color, and in shape are round, flattened at the ends. The flesh is of remarkably good cooking quality, very thick, and deep yellow. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 65 cts., lb. \$2.

Winter Luxury. Best pie Pumpkin; productive; keeps well. Finely netted and russet in color. Pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$2.25.

Connecticut Field. Large, flat-round, deep orange fruits. Good for pies; also largely grown for stock feeding. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 65 cts., lb. \$1.75.

King of the Mammoths. Recommended where size is the chief consideration—200 pounds or more being not an unusual weight for a single specimen. The fruit is flat-round; the skin is yellow, as also is the thick flesh. Pkt. 15 cts., oz. 40 cts., 1/4 lb. \$1.15, lb. \$2.50.

Warted
Hubbard

Delicious

Crookneck

Boston
Marrow

Golden Hubbard

SQUASH

It is not advisable to plant before May 15. Sow bush varieties in "hills" or groups 4 feet apart; trailing sorts 6 to 8 feet apart. Sow 6 or more seeds, thin later to three plants in a hill.

One ounce plants about 25 hills, and each hill should yield 6 to 8 good Squashes.

Winter Squash furnishes some vitamin G, and is an excellent source of vitamin A; Summer Squash is almost as good.

Summer Varieties

Ready in from 9 to 12 weeks from sowing

Giant Bush Summer Crookneck. Popular because of its refined, fresh, delicious flavor. In this new type these are retained, but the fruits are double the size. Pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$2.25.

Long Island White Bush (Improved Patty Pan). Shallow grooves and a thicker, heavier fruit than the type. Pkt. 10 cts., oz. 35 cts., 1/4 lb. 90 cts., lb. \$2.

Straightneck. Similar to Summer Crookneck, but straight. Fruits warted, 20 inches long. Delicious flavor. Pkt. 10 cts., oz. 35 cts., 1/4 lb. 90 cts., lb. \$2.

Zucchini. Prolific, tender; mild flavor. Gather when 6 inches, and prepare like other Squash, or fry like eggplant. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.15, lb. \$2.75.

Zucca de Pergola. Three to five feet long, pale green, 4 ins. through. Sometimes straight, frequently curved. This long narrow Squash may be stuffed with ravioli filling or with meats and herbs, and baked; or sliced and fried. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50.

Noodle Squash. Puncture one end and cook it for 35 minutes. Cut in half, the flesh falls out in shreds, suggestive of spaghetti. Served hot with sauce, salt, and butter, or as a cold dish with vinegar. Mottled green fruits, 10 inches long, turn yellowish white. Pkt. 15 cts., 2 pkts. 25 cts., oz. 50 cts.

For Coccozelle, see Vegetable Marrow

RHUBARB

Plant the roots in well-manured land, 3 feet apart and 3 inches deep. Remove flower-buds if any appear. Sow seed in spring in drills a foot apart; transplant the following season 3 feet apart. One ounce of seed should produce about 1000 roots.

Victoria. A reliable sort which has given good results for many years. Strong clumps 40 cts. each, \$4.25 per doz., \$8 for 25, \$15.50 for 50, \$30 per 100.

Seed, pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50.

Fall or Winter Squashes

Ready in from 13 to 15 weeks from sowing

Acorn (Table Queen; Des Moines). One of the earliest. The fruits are 6 inches long by 4 1/2 inches in diameter; dark green shell, but the flesh is light yellow and thick. Trailing. Keeps well. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.15, lb. \$3.

Butternut. Midway between Pumpkin and Squash. Small, club-shaped fruits, thick at the blossom end, with a tough rind enclosing thick orange flesh, with few seeds. Quality high; keeps well. Pkt. 15 cts., oz. 70 cts., 1/4 lb. \$2, lb. \$6.

Golden Table Queen. Slightly smaller; flesh exceptionally sweet and rich. Skin ripens to golden yellow. Prolific; excellent for home and market-growing. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.25, lb. \$3.25.

Chicago or Warted Hubbard. Robust; fruits large, heavily warted, and dark green; flesh rich and dry. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.25, lb. \$3.25.

Golden Hubbard. Similar to the Green Hubbard, but somewhat smaller. Orange skin; flesh deep gold. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.15, lb. \$3.

Hubbard. Bluish green, occasionally marked with brownish orange. Will keep from September to May. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.15, lb. \$3.

Boston Marrow. Oval; bright orange color; flesh yellow. Splendid keeper; excellent for pies. Pkt. 10 cts., oz. 35 cts., 1/4 lb. 90 cts., lb. \$2.25.

Delicious. Noted for its fineness and compactness of grain, dryness, and sweet, rich flavor. Top-shaped fruits weigh up to 10 pounds. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.15, lb. \$3.

Mammoth Chili. A late, exceptionally large variety that is popular for exhibition purposes. Orange-yellow color. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.15, lb. \$3.

TOBACCO

Treat seeds with Semesan and sow thinly under glass in March or April. Press in gently; do not cover with soil as seeds are tiny. Transplant at 30-inch intervals after May 15. Needs rich, but porous and well-drained soil; its suitability influences smoking quality. Curing does also—obtain bulletins from your state college or department of agriculture.

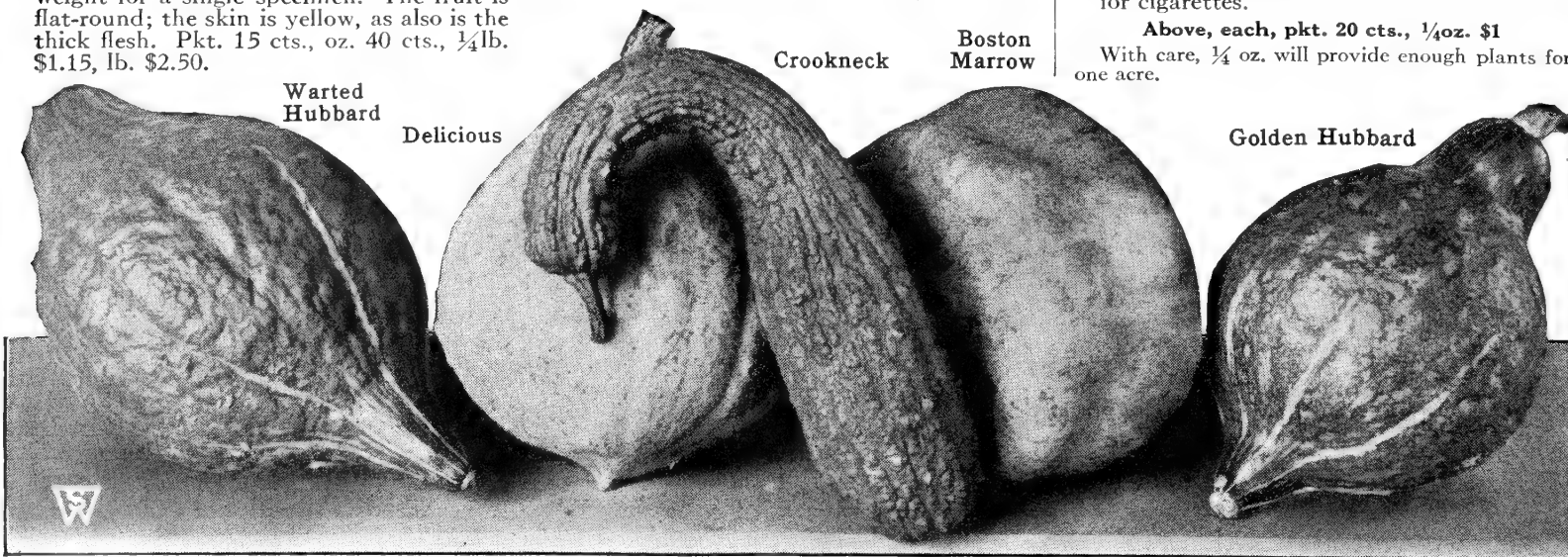
Connecticut Seed Leaf. Large leaf for cigar wrappers, fillers also.

Kentucky Burley. For pipes and chewing.

Virginia Bright-Leaf. Light-colored leaf for cigarettes.

Above, each, pkt. 20 cts., 1/4 oz. \$1

With care, 1/4 oz. will provide enough plants for one acre.



POTATOES

Potatoes contribute important quantities of iron, vitamins B₁ and C. The best soil for them is a well-drained fibrous loam. On clay soils, particularly in certain districts of northern New Jersey, the culture of Potatoes is not recommended. Before planting, work in Sawco General Garden Fertilizer at the rate of 1500 pounds to the acre if applied broadcast, or 750 pounds if applied under the row. Cut into pieces, each containing at least one good eye; plant 10 inches apart and 3 inches deep in 2½-foot rows from April 10 to May 31.

Allow 7 to 10 pounds for each 100 feet of row; 600 lbs will plant an acre. Potatoes are often discussed in terms of pecks and bushels: one peck weighs 15 pounds, one bushel 60 pounds. Growing period around 125 days. Potatoes are ready to dig after tops have died down completely.

Use **Semesan Bel** on your seed potatoes at planting-time. It controls disease and produces increased yields of healthy plants and tubers. 1 tablespoonful will treat 100 pounds. Spraying with Bordeaux Mixture for blights and scab, and with Lead Arsenate for the potato beetle (half-inch long, yellow with black stripes) are a necessary process with the growing crop. See Insecticide and Fungicide Section at end of this Catalogue.

Standard Early Potatoes

Mature in 9 to 11 weeks

Chippewa. Husky variety that resists disease and crops heavily. Tubers are of medium size, pure white and smooth, longish-round in shape, with shallow eyes and excellent cooking quality. Popular with Long Island growers.

Irish Cobbler. Does well on a wide range of soils; very productive. The skin is creamy white, sometimes netted; eyes are strong, well developed, and but slightly indented. The flesh is white and of fine quality.

A Fine Intermediate Potato

Katahdin. Matures about a week later than Irish Cobbler. White skin and white flesh, with a very shallow eye. Handsome oval shape. Excellent cooking quality, and the preferred variety for Potato chips.

Best Main-Crop Potato

Mature in 12 to 14 weeks

Green Mountain. A late, heavy cropper of excellent quality; skin smooth and white; shape roundish flat; eyes few and shallow; a good keeper.

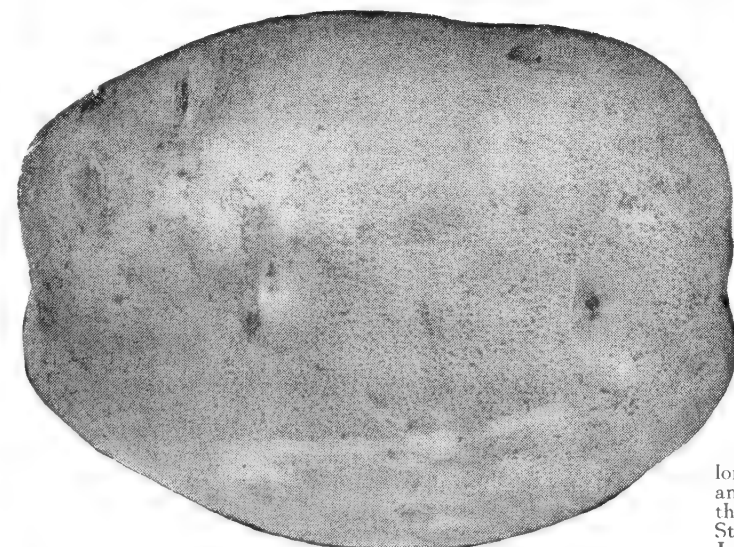
PRICES OF ABOVE FOUR:

March shipment. 25 lbs. \$1.60, 50 lbs. \$3.20, 100 lbs. \$5.50.

April shipment. 25 lbs. \$1.65, 50 lbs. \$3.30, 100 lbs. \$5.60.

May shipment. 25 lbs. \$1.70, 50 lbs. \$3.35, 100 lbs. \$5.70.

Purchaser pays transportation on Seed Potatoes



Katahdin Potato

Sweet Potato

One of the most important American food crops, so highly nutritious that in the New York area everyone should grow it in localities where Potatoes of the ordinary type are often unprofitable. It may well be given consideration in northern New Jersey, for example, as an ideal home garden food crop.

Set out about 2 feet apart each way in sandy soil; dig after first frost. Cultivate often, and prevent stem taking root by lifting the tops from time to time.

Yellow Jersey. **Big Stem.** **Yellow.**

Each variety, \$2 per 100, \$15 per 1000

Ready in June, these are rooted cuttings which, in a few hours after separating them from the parent tuber, take on a wilted appearance. Despite this, however, they grow well and may be planted with every confidence. But we do not ship Sweet Potatoes beyond 50 miles.

Sweet Potato tubers keep well if they are thoroughly cured, and handled with great care to avoid bruising.

RADISHES

Fresh-pulled Radishes are refreshing. They are an excellent source of vitamin B₁ and a fair source of vitamin C. They furnish a good amount of copper.

As early in the spring as the ground can be worked, sow sparingly, ½ inch deep, any of the round or olive-shaped varieties, allowing 1 to 1½ feet between the rows. Thin to 1 inch apart (summer and winter sorts need 4-inch spacing). Hoe frequently. The round and olive-shaped sorts serve until June 15, when Icicle and Cincinnati Market are at their best. Summer sorts are good until frost from repeated sowings. Winter varieties should be sown from July 15 to August 15, and may be pulled after light frosts and stored through winter.

One ounce will plant about 100 feet of row. One generous bunch per foot of row is an average yield.

Round and Olive-shaped

Ready in about 25 to 30 days

Special Forcing. A superior Scarlet Globe. Very quick to mature. Its small top gives plenty of room in the frame or greenhouse. Excellent mild flavor, smooth, crisp, and good. Pkt. 15 cts., oz. 35 cts., ¼ lb. \$1, lb. \$2.25.

Crimson Giant. Round. Crisp white flesh of high quality, brittle and mild in flavor. May be grown to a larger size than most kinds before it becomes inedible. Pkt. 10 cts., oz. 30 cts., ¼ lb. 80 cts., lb. \$2.

Early round, olive-shape and long Radishes are essentially spring and autumn crops. They do not thrive in warm weather. Sow Strasburg Radish in June and July; winter sorts from mid-July to mid-August.



Early Scarlet Globe Radishes

Early Scarlet Globe. The best general-purpose variety in this class, perfecting handsome round-oval roots in from 28 to 30 days after sowing. Brilliant in color, short-leaved, crisp and white; an excellent variety for forcing. Pkt. 10 cts., oz. 30 cts., ¼ lb. 75 cts., lb. \$1.75.

White Pearl. The finest white round Radish. Matures quickly and does not get hollow. Suitable both for spring and summer use, superior to the older variety, White Box. Pkt. 15 cts., oz. 35 cts., ¼ lb. \$1, lb. \$2.25.

Sparkler. Of rich carmine-scarlet color, with a pronounced white tip. The roots are solid, crisp, and sweet. It is equally well adapted for forcing or growing in the open ground. While the leaves are small, they are sufficiently large for bunching. Pkt. 10 cts., oz. 30 cts., ¼ lb. 75 cts., lb. \$1.75.

Early Scarlet Turnip. Handsome, flat-round roots, ¾ inch in diameter by ½ inch deep through. Pkt. 10 cts., oz. 25 cts., ¼ lb. 65 cts., lb. \$1.60.

French Breakfast. The olive-shaped counterpart of Sparkler. Mild and crisp. Pkt. 10 cts., oz. 30 cts., ¼ lb. 75 cts., lb. \$1.75.

Early Long Radishes

Ready in about 35 days

White Icicle. A good Radish for all purposes in the home-garden; also fine for market or growing under glass. Within 30 days from sowing, the roots attain a length of 4 to 5 inches, by ¾ inch in diameter at the thickest part. The skin is thin, the flesh crisp and mild. Remains for a long period in fine table condition. Pkt. 10 cts., oz. 30 cts., ¼ lb. 80 cts., lb. \$2.

Cincinnati Market. Roots 6 to 7 inches long, an inch thick through, are produced 35 days after sowing. Skin rosy scarlet, blending into a white tip. Pkt. 10 cts., oz. 25 cts., ¼ lb. 65 cts., lb. \$1.60.

Summer Variety

Ready in about 40 days

White Strasburg. Shape tapering; skin and flesh both white; excellent summer variety. Pkt. 10c., oz. 30c., ¼ lb. 75c., lb. \$1.75.

Long-keeping Winter Varieties

Ready in about 8 weeks

Rose China. Bright rose skin; flesh firm and piquant; fine for winter use. Pkt. 10 cts., oz. 30 cts., ¼ lb. 75 cts., lb. \$1.75.

Long Black Spanish. The popular winter sort. Pkt. 10 cts., oz. 30 cts., ¼ lb. 75 cts., lb. \$1.75.

Round Black Spanish. Pkt. 10 cts., oz. 30 cts., ¼ lb. 75 cts., lb. \$1.75.

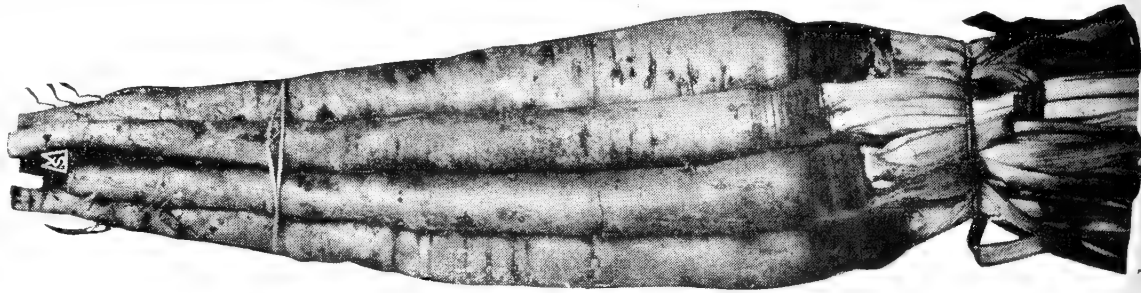
SALSIFY

Vegetable Oyster

One ounce will sow about 50 feet of drill.

Delicious vegetable, grown and served like parsnip; autumn frosts improve its flavor. Sow early in spring, in drills 15 inches apart and 1 inch deep, thinning out the young plants to 4 inches. The roots will be ready in October, when a supply should be taken up and stored like carrots; remainder may be left in the ground and dug in spring.

Mammoth Sandwich Island. Pkt. 15 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25, lb. \$6.



Salsify, Mammoth Sandwich Island

SPINACH

Sow in April in drills $\frac{1}{2}$ inch deep and 15 inches apart; again in August or September. Thin to 3 inches between plants. Spinach requires rich soil.

One ounce will plant about 100 feet of drill, and produce over 6 bushels of Spinach. Gather about 7 weeks after seeding.

Spinach is essentially a cool-weather crop, and should be sown early; plants from late spring seedings frequently "bolt" to flowers, unless you choose carefully from the following a sort less prone to do so.

Emerald Standing. Large and vigorous type, of compact, spreading growth. Leaves are large, thick, slightly crumpled, very fleshy, and carried on long stems. Dark green. The most important point, however, is that it *stands fully one month longer than any other variety* before bolting to seed. Yet it is quick-growing. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

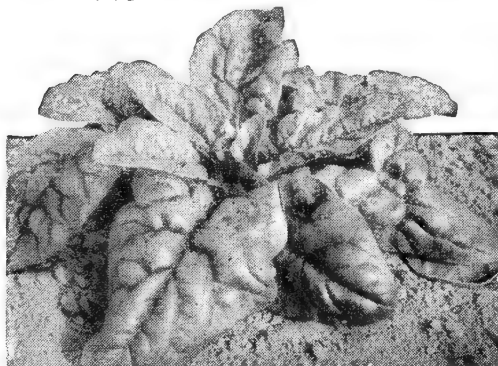
Blight-Resistant. A Savoy-leaved Spinach which may be grown on soil infected with blight. Since it tends to bolt to flower somewhat freely, we do not advise extensive seedings in warm weather. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.60.

Old Dominion. A hybrid into which resistance to mosaic disease has been bred. Very hardy, and much used in late autumn, when seed remains dormant over winter and germinates first thing in spring. Good for early spring sowing also. Wrinkled leaves. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Princess Juliana. A splendid all-purpose variety; good for the home gardener and commercial grower alike. Large, wrinkled and blistered dark green leaves. Slow to bolt in hot weather. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Bloomsdale Savoy. Dark green type. Valued alike by market growers and home gardeners because of its earliness. The leaves are wrinkled and crumpled. Yields heavily and is particularly hardy. The standard sort for early spring. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.60.

Viking. A new quick-growing sort, but one that is slow to run to seed. Large medium-blistered leaves; dark green. Excellent home-garden variety. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.



Bloomsdale Savoy Spinach

For Late Spring Seeding

Long Standing Savoy Spinach. A medium-dark green type of the Bloomsdale Savoy that is resistant to heat. Use it for your second sowings, for it is slow to bolt. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.



New Zealand Spinach

The plants grow vigorously, do not run to seed, and withstand drought better than true Spinach. Furnishes a summer supply of "greens." Illustrated above.

Sow during May, in drills 2 feet apart. Thin to 9 inches between plants. Ready in about 10 weeks from sowing. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

Perpetual Spinach

This desirable cut-and-come-again plant may be sown from April to June, and in six weeks cutting may commence, to continue right through into fall. The "greens" furnished are similar in flavor to true Spinach, the leaves being very tender; they are both palatable and healthful. Cut the leaves about 3 inches from the ground. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.50.

Mustard Spinach (Tendergreen)

See description on page 14. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.

Swiss Chard and Spinach are among the most healthful of foods. Both are high in vitamins A and G, and in all minerals, especially iron. Swiss Chard is also an outstanding source of vitamin B₁ and Spinach an excellent source of vitamin C.

SWISS CHARD

Spinach Beet

This delectable vegetable is one you must grow yourself, for it is not often offered for sale.

Leaves may be boiled, adding fried chopped bacon if you so desire. The stalks may be served as a distinct dish cooked like asparagus. Sow early in spring in rows and thin to 9 inches.

One ounce will plant about 100 feet of drill, and yield more than 10 bushels of produce. Cutting commences in about 7 weeks.

Mammoth New York. This is a large, distinct sort, medium green in color. The leaves are smooth, and the stalks are milk-white. No earthy flavor. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 55 cts.

Giant Lucullus. Plants grow to a height of 2 to 2 $\frac{1}{2}$ feet and the stalks are 1 $\frac{1}{2}$ inches broad, heavily ribbed, and from 10 to 12 inches long. Leaves are much crumpled. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.25.

Green Lyon. A vigorous-growing, stocky type with smooth, deep green leaves and broad, thick, white stalks. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.40.

Fordhook. A giant variety with broad, wrinkled, dark green leaves and broad white stems. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.50.

Rhubarb Chard. Bright crimson stems and dark green and crimson leaves give this variety a striking appearance; it looks like rhubarb at first sight. Grow and cook it as you would other Chards, and you will find it even more delicious. Decorative in the flower garden, too. Pkt. 20 cts.



Giant Lucullus Swiss Chard

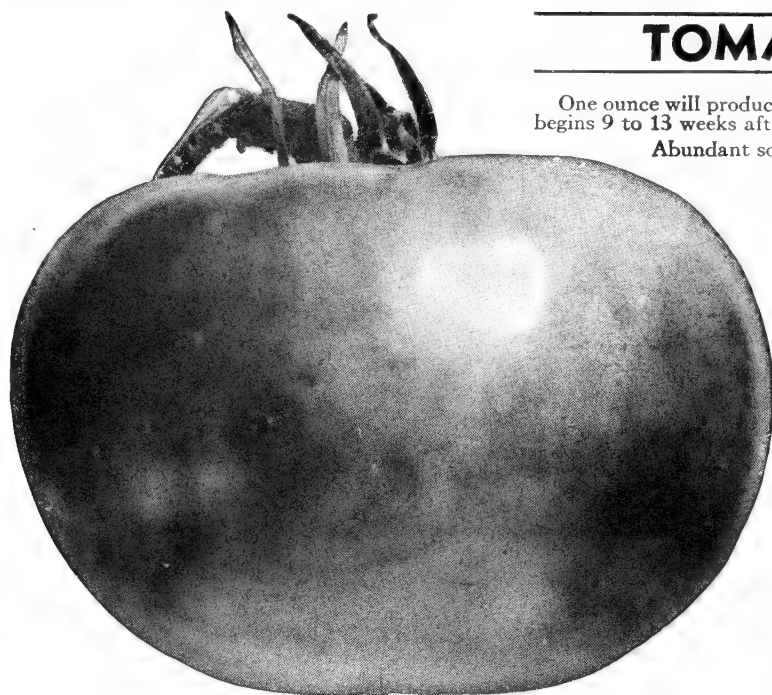
TOMATOES

One ounce will produce about 1000 plants. Yield begins 9 to 13 weeks after setting out.

Abundant source of vitamin C.

Although the purchase of plants is established practice with most home gardeners, growing Tomatoes from seed is economical and entirely practical. It should be sown sparingly in a hotbed, greenhouse, or in the home from the second week in February to the end of April. When the plants are about 2 inches high they should be transplanted about 4 inches apart, or thinned so that they do not overcrowd. Around May 15 the plants may be set out in the open ground, 3 feet each way. Protect each plant with a Treated Paper Collar; otherwise cutworms may destroy it. For an autumn crop, sow seed in May in the open.

To have clean, disease-free Tomatoes provide each plant with a strong stake or other support to



Ponderosa Tomato (Purple-red)

keep the fruit off the ground. If leaves are being eaten, search for and destroy the large green Tomato horn worm (rarely more than one on a plant).

Beefsteak or Crimson Cushion. Largest of the bright red Tomatoes. Flattish round in shape, and thick from stem to blossom end. Brilliant scarlet-crimson, the flesh is firm and of superb quality. Pkt. 15 cts., 1/2 oz. 60 cts., oz. \$1.10, 1/4 lb. \$3.25.

Bonny Best. A leader among the early sorts. Bright red, medium size. Heavy producer. Pkt. 10 cts., 1/2 oz. 55 cts., oz. \$1, 1/4 lb. \$2.75.

Chalk's Early Jewel. Uniformly large, bright red, deep, solid fruit. Bears all season, and for quantity and quality is without a rival among the extra-earlies. Pkt. 10 cts., 1/2 oz. 55 cts., oz. \$1, 1/4 lb. \$2.75.

S. & W. Climbing. Runs 15 feet or more, and should be tied to tall stakes or trellis; though even without support it gives a higher yield than other sorts. The most productive Tomato yet tested by us. Large crimson fruits of high quality average 3 1/2 inches across and 2 3/4 inches deep; ideal for slicing or canning. Disease resistant. Pkt. 25 cts.

Earliana. Earliest red Tomato. Plants set freely. The fruits average 3 inches across and 2 1/4 inches deep; solid; few seeds. Pkt. 15 cts., 1/2 oz. 75 cts., oz. \$1.35, 1/4 lb. \$3.75.

Golden Queen. A yellow-fruited sort, excellent for slicing. Pkt. 10 cts., 1/2 oz. 50 cts., oz. 90 cts., 1/4 lb. \$2.50.

John Baer. An early, bright red Tomato of wonderful quality. One of the heaviest-yielding sorts. The flesh is solid, possessing a fine flavor, free from acid. Pkt. 10 cts., 1/2 oz. 55 cts., oz. \$1, 1/4 lb. \$3.

Jubilee. Fine new orange-yellow variety of high quality. Fruits are large, meaty, with few seeds; pleasant non-acid flavors; high in vitamins A and C. Splendid for yellow tomato-juice and salads. Pkt. 25 cts.

Marglobe. Large Tomato of the globe type. Fine red color and of delicious table quality. Sets fruits medium early and continuously. It resists wilt and rust. Pkt. 15 cts., 1/2 oz. 55 cts., oz. \$1, 1/4 lb. \$3.

Ponderosa. Enormous size is its chief characteristic. Slightly ribbed; solid and luscious. Fruits deep purple, oblong and with small seed-cells. They frequently weigh one pound each. Pkt. 20 cts., 1/2 oz. 65 cts., oz. \$1.10, 1/4 lb. \$3.50.

Oxheart. A distinct, attractive variety of recent introduction. Fruits very large, heart-shaped, pink, with very few seeds, meaty, and of mild flavor. Pkt. 15 cts., 1/2 oz. 65 cts., oz. \$1.10, 1/4 lb. \$3.25.

Pritchard's Scarlet Topper. Recommended for yield, meatiness, fine flavor, and small seed-cavity. Early and continuous bearer. A large scarlet fruit, deeply globular in shape, it slices economically. Resistance to wilt and rust has been bred into it. Pkt. 15 cts., 1/2 oz. 60 cts., oz. \$1.10, 1/4 lb. \$3.25.

Rutgers. Vigorous plant bearing large, globular, deep red fruits in quantity. Resistant to disease and especially valuable on hillside, light or poor land. Pkt. 15 cts., 1/2 oz. 55 cts., oz. \$1, 1/4 lb. \$3.

Stone. Reliable main-crop Tomato; favorite with truckers and canners. The plant is vigorous and the deep red fruits are produced freely; uniform, large, round, smooth, meaty, with little core. Non-acid. Notable for its heavy yield and high quality. Pkt. 10 cts., 1/2 oz. 55 cts., oz. \$1, 1/4 lb. \$3.

Victor. A new early variety of high quality. The vines are small, and may be planted closer than most others, making it excellent for the home-garden; the fruits are bright scarlet, with a smooth skin. They ripen evenly, and lack the cracks and wrinkles found in other sorts. Pkt. 20 cts., 1/2 oz. 65 cts., oz. \$1.10, 1/4 lb. \$3.50.

A Dwarf Tomato

Champion. Potato-like foliage and a sturdy stocky plant. Fruits medium size and purple-pink. Pkt. 10 cts., 1/2 oz. 50 cts., oz. 90 cts., 1/4 lb. \$2.50.

Small-fruited Tomatoes

These are valuable for making pickles, preserves, pepper-hash, etc. Their small size, quaint shapes, and bright colors help to make salads that are attractive, and their pleasing, sweet flavor also makes them desirable.

San Marzano. An Italian scarlet variety, with thick, somewhat dry flesh, recommended for preserves, pastes and sauces. Plants are covered with cylinder-shape fruits 2 1/2 inches long and 1 1/4 inches thick, with round ends. Pkt. 25 cts., 1/2 oz. \$1.25, oz. \$2.35, 1/4 lb. \$7.

King Humbert. The fruits are suggestive of a hen's egg in shape and size, and are bright scarlet in color. Pkt. 15 cts., 1/2 oz. 85 cts., oz. \$1.50.

Red Cherry
Red Currant
Peach

Yellow Pear
Red Plum
Yellow Plum

Red Pear

Above varieties, except where noted, each, pkt. 15 cts., 1/2 oz. 70 cts., oz. \$1.25, 1/4 lb. \$3.50.

Forcing Tomatoes

For cultivation under glass

S. & W. Co.'s Best of All. Fruits of moderate size, smooth, round, and set in bunches. Color rich scarlet-red. Equally good for outdoor culture. Pkt. 20 cts., 1/4 oz. 50 cts., oz. \$1.50.

Comet. Is very short-jointed, fruiting close up to the stem. The deep scarlet Tomatoes are of medium size. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.

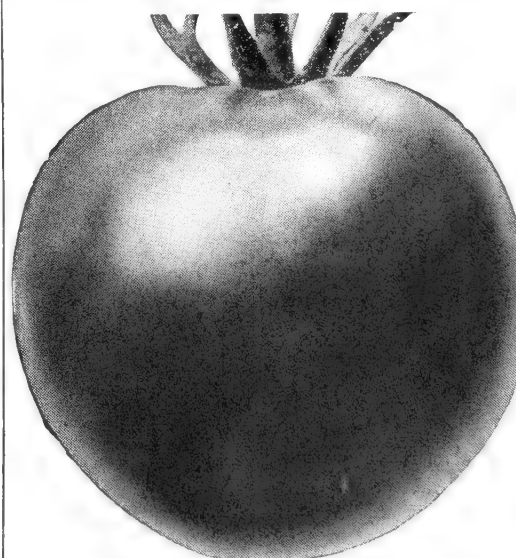
Sunrise. A fruit of fine quality, small to medium in size, perfectly round, and produced in long clusters. Splendid whole-salad variety. Does very well outdoors also. Pkt. 20 cts., 1/4 oz. 40 cts., oz. \$1.25.

Michigan State Forcing. A good greenhouse variety. Wilt resistant and highly productive, with five to eleven fruits to a cluster. Medium size fruit, rich, deep scarlet. Flesh firm, thick and of high quality. Pkt. 25 cts., 1/4 oz. 75 cts., oz. \$2.50.

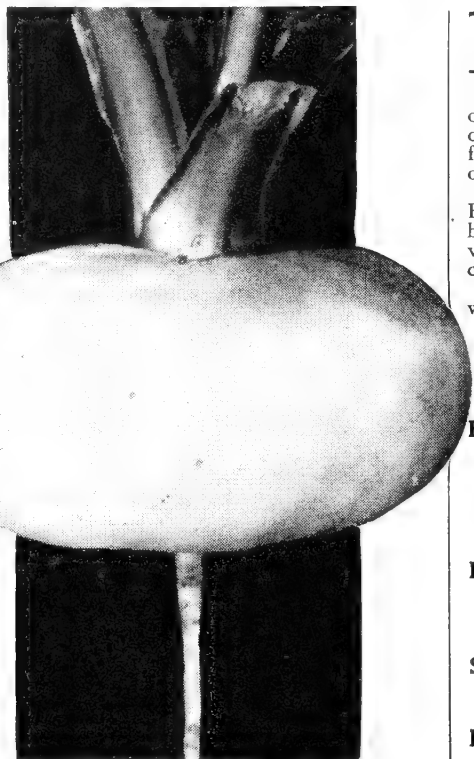
Strawberry or Husk Tomato

For Outdoor Planting

The plants are of dwarf, spready growth and very productive of sweet-flavored, yellow fruits about the size of a cherry and inclosed in a husk. Pkt. 15 cts., 1/2 oz. 70 cts., oz. \$1.25, 1/4 lb. \$3.50.



Rutgers Tomato (Deep red)



Early White Milan Turnip

VEGETABLE MARROW

Occupies an important place in European gardens, and is considered superior by some to squash. Cultivation is similar to that of squash, although it is often grown in a few inches of soil placed on a manure-pile. The Marrows are gathered before they ripen. They are peeled, divided, and the seeds are removed; then cut into squares, boiled until tender, and served with cream sauce.

One ounce plants 50 "hills," and each "hill" should produce 4 to 6 Marrows. Ready in 8 weeks. Good source of vitamin A.

Long Green Trailing. Fruits about 20 inches long and 3 to 4 inches in diameter, with dark green skin, with lighter markings. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.50.

Long White Trailing. The white skin is smooth and the flesh is remarkably tender. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.50.

Italian Vegetable Marrow (Cocozelle Squash). A non-trailing type producing oblong fruits a foot in length and about 5 inches in diameter, handsomely mottled dark and light green. A great favorite. Usually gathered when small. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts.

SORREL

Sow in spring in drills 6 to 8 inches apart.

One ounce will sow about 100 feet of drill.

Garden. Used for salads, on account of its pleasant acid flavor; also as a boiled vegetable likespinach. Yields for several years; hardy. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25, lb. \$6.



Long White Trailing Marrow

TURNIP

For early Turnips, sow as soon as the ground opens in spring in rows 15 inches apart and $\frac{1}{2}$ inch deep. Thin 3 inches from plant to plant. Sow again, for winter use from the middle of July to the end of August.

Turnips are an outstanding source of vitamins B₁ and C. But serve turnip-tops (leaves) as spinach, boiled lightly, and you have a food of exceptional value: outstanding in vitamins A, C and G, also calcium; a good source of B₁, phosphorus and iron.

One ounce will plant about 150 feet of drill from which 150 pounds or more of Turnips will be dug.

Fine White-fleshed Types

Ready in from 7 to 9 weeks

Early White Milan. Quick to mature, the entire "bulb," inside and out, is clear white; the outer surface is perfectly smooth. Its table qualities are unequalled, being tender and of the most delicate flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Purple-Top White Globe. Spherical, skin white with upper one-third purple. Superior flavor. Will store over winter. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.45.

Snowball. Early, globe-shaped root; smooth, clean, and free from coarseness. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.45.

Purple-Top Milan. A flat Turnip with the upper portion tinted purple. Flesh is pure white, delicate, and sweet. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.50.

Long White or Cow-Horn. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.45.

Yellow-fleshed Turnips

Golden Ball or Orange Jelly. A medium-sized Turnip with golden yellow flesh of fine texture. One of the best table varieties. Small tap-root and matures early. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.45.

Yellow Aberdeen. A hardy variety of fine form and excellent quality. It has a purple top, keeps well, and is excellent both for the table and for stock. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.45.

Yellow Stone. In shape a perfect globe, uniform, and of medium size; the color is pale yellow, and the quality is of the best, being very melting and buttery. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.45.

An All-Leaf Turnip

Seven Top. In this variety there is little root-development. The leaves, however, are numerous and large, and are recommended to those who esteem flavorful, vitamin-packed "Turnip-tops." Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

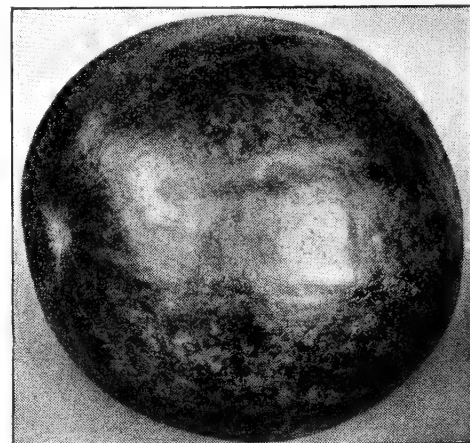
RUTABAGA

Russian Turnip or Swede

These keep exceptionally well through winter when stored in a cool frost-free cellar or in a pit in the garden.

Sow in late spring in rows 18 inches apart, $\frac{1}{2}$ inch deep. Thin to 6 inches between plants.

Long Island Improved. Uniform in shape, fine quality and a splendid keeper. Large, skin smooth, and flesh is yellow and fine-grained. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.



Cole's Early Watermelon

WATERMELONS

These are as easily grown as pumpkins or squash, and are recommended for the home-garden if you have the room. After mid-May sow about 8 seeds to a "hill" or group, and have the "hills" 8 feet apart. Thin to 3 plants to a "hill."

One ounce will plant about 35 "hills," and each "hill" should yield 3 to 5 Watermelons. Ready in from 12 to 13 weeks after sowing.

S. & W. Midget. A new quick variety that is good for the northern U. S. Sown around June 1, Melons should be ready by mid-August. Striped green fruits are 7 ins. long by 6 ins. through; flesh is salmon-red and very sweet. Pkt. 50 cts., 5 pkts. \$2.25.

Cole's Early. A very early home-garden variety succeeding in northern states. Flesh bright red, crisp, and delicate in texture, of sweet, refreshing flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Dixie Queen. High-quality, bright red flesh of fine texture. Oval fruits, striped dark green on light green; thin but tough skin. Small white seeds. Ships well; good both north and south. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Kleckley Sweets. The sweetest of all the Watermelons. Long melons with very brittle, unusually thin, glossy dark green rind and firm, tender, fine-flavored, scarlet flesh. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

Tom Watson. A long melon with a tough rind. Flesh red, sweet, and tender. Prolific. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Citron. Used for preserves. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Grandmother's favorites, these interesting, attractive and useful plants were in the gardens of colonial America. And prior to the time of Columbus, they provided the homemaker of medieval Europe with her salads, condiments, perfumes, and remedies.

ANISE. *Pimpinella Anisum*. Seeds flavor candy, cordials, and pastries; aid digestion. Leaves used for salads or garnishing. Annual; 16 inches. **Seed only**, pkt. 15 cts., oz. 50 cts.

BALM. *Melissa officinalis*. Lemon-scented foliage used for flavoring food, vinegar, confections, wines, and liqueurs, and is added to salads. Balm tea is an old remedy, recommended for fevers, asthma and headaches. 18 inches. **Plants only**, \$1.10 for 3.

BASIL, Sweet (Basilco). *Ocymum Basilicum*. Leaves used for flavoring. An infusion makes a skin lotion and is used internally. Snuff, from the leaves, is a headache remedy. Annual; 12 inches. **Seed only**, pkt. 20 cts., oz. \$1.

BASIL, Lettuce-leaved. *Ocymum bullatum*. Larger leaves than the above. Uses are the same. Annual. **Seed only**, pkt. 25 cts., oz. \$1.25.

BEE-BALM (Oswego Tea, Bergamot). *Monarda hybrida*. The plant is fragrant. Dried leaves and seeds are an ingredient in potpourri. Thymol is made from it. **Plants only**, \$1.10 for 3.

BENE. *Sesamum orientale*. An old remedy for dysentery. Seeds impart a nut-like flavor to confections; yield oil of sesame or teel-oil. Annual. **Seed**, pkt. 10 cts., oz. 40 cts.

BETONY (Woundwort). *Stachys officinalis*. Old-time remedy. 3 feet. **Plants only**, \$1.10 for 3.

BORAGE, GURKENKRAUT. *Borago officinalis*. Flowers used in salads and candied for sweetmeats; also to flavor cordials. 2 feet. **Seed only**, pkt. 20 cts., oz. \$1.

BURNET (Pimpinella). *Sanguisorba minor*. Leaves used for salads; their flavor resembles cucumbers. An infusion makes a face lotion. Give a pleasing bouquet to wine. 20 inches. **Seed**, pkt. 25 cts. **Plants**, \$1.10 for 3.

CARAWAY. *Carum Carvi*. Well-known flavoring for cordials and sauces; also for bread- and cake-making. Annual; 18 inches. **Seed only**, pkt. 25 cts., oz. \$1.25.

CATNIP. *Nepeta Cataria*. Shoots used for seasoning; tea was made from it before tea came out of China. Allegedly turns mild people ferocious. Interests the domestic cat. 3 feet. **Seed**, pkt. 25 cts. **Plants**, \$1.10 for 3.

CHAMOMILE. *Antemmis nobilis*. Tonic, febrifuge, sedative and hair-bleach; emetic in large quantities. Smoked, it relieves asthma. A Chamomile poultice helps toothache. 1 foot. **Plants only**, \$1.10 for 3.

CHIVES. *Allium Schanoprasum*. Mild onion flavor, used as a salad ingredient. 10 inches. **Seed**, pkt. 20 cts., oz. \$1. **Plants**, \$1.10 for 3.

CORIANDER. *Coriandrum sativum*. Seeds used in cooking, candy-making, and flavoring cordials. Annual; 2½ feet. **Seed only**, pkt. 15 cts., oz. 50 cts.

COSTMARY (Alecost). *Chrysanthemum Balsamita*. For scenting linen. Beer was flavored with it, and a tea made from the dried leaves. 2½ feet. **Plants only**, \$1.10 for 3.



SCENTED GERANIUMS

Charming plants which thrive in a well-drained soil and sunny situation. In late fall they can be cut back hard, potted up and carried over the winter in a sunny window, where they are ideal house plants. Their names reveal their individual scents.

Peppermint

Rose

Spice

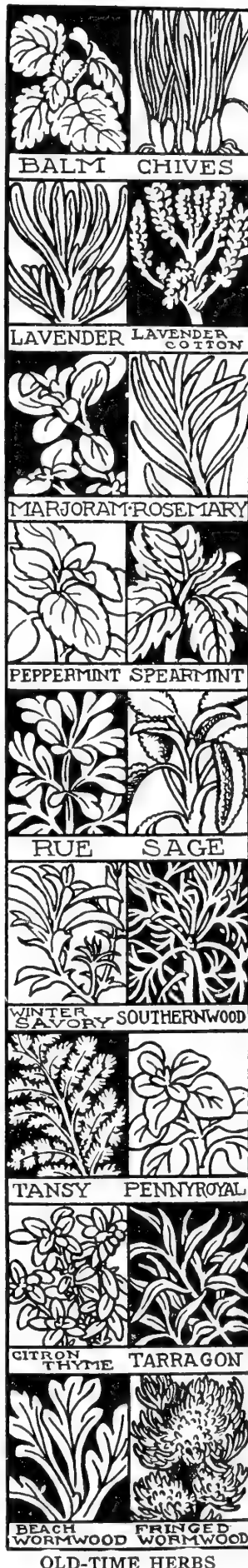
Above 3, in 3-in. white, painted pots, 75 cts. each, \$2 for 3, \$7.50 per doz.

Balm
Balsam
Filbert

Lemon
Nutmeg
Orange

Peppermint
Rose
Spice

Above 9, out of pots, for planting in garden, 45 cts. each, \$1.20 for 3, \$4.50 per doz.



OLD-TIME HERBS

CULINARY AROMATIC MEDICINAL HERBS

For the Kitchen Garden and for the formal fragrant, old-time Herb Garden

DANDELION. See page 12.

DILL. See page 12.

ELECAMPANE. *Inula Helenium*. Roots have medicinal properties. 4 feet. **Plants only**, \$1.10 for 3.

FENNEL. See page 12.

HOREHOUND. *Marrubium vulgare*. For seasoning cough remedy made from leaves; a tea, valuable in chest ailments, also. 3 feet. **Seed only**, pkt. 25 cts.

HORSE-RADISH. See page 12.

HYSSOP. *Hyssopus officinalis*. Decorative plant for edging and an everlasting. For flavoring and has medicinal properties. 1 foot. **Plants only**, \$1.10 for 3.

LAVENDER *Lavandula vera*. Dried flowers impart a fragrance to linen; from them lavender-water is distilled. We offer the perfumed "Munstead Strain." 2 ft. **Seed**, pkt. 25 cts., ½ oz. 75 cts., ¼ oz. \$1.25. **Plants**, \$1.10 for 3.

LAVENDER-COTTON. *Santolina incana*. Aromatic plant, valuable for edging. Green foliage or gray foliage plants can be furnished. 1½ feet. **Plants only**, \$1.10 for 3.

LEMON VERBENA. *Aloysia citriodora*. Very fragrant plant with the odor of lemon. Not strictly hardy; needs protection over winter. **Plants only**, \$1.10 for 3.

MARJORAM, Pot. *Origanum vulgare*. Leaves used in salads; potpourri ingredient. Valuable edging plant. 20 inches. **Plants only**, \$1.10 for 3.

MARJORAM, Sweet or Knotted. *Origanum Majorana*. Leaves are employed for seasoning and are added to salads. A perfumery oil is extracted from it. Potpourri ingredient. 2 feet. **Seed**, pkt. 25 cts. **Plants**, \$1.10 for 3.

MINTS (Perennials)

Require moist ground and shade. The "Mint Pool" was a feature of the monastery garden of medieval times.

ANISE MINT. *Mentha viridis anisatus*. The aroma of anise combined with mint. For salads and cold drinks. 2 feet. **Plants only**, \$1.10 for 3.

APPLE MINT. *M. rotundifolia*. For flavoring beverages, jellies, and confections. 2½ feet. **Plants only**, \$1.10 for 3.

CREeping MINT. *M. Requieni*. Miniature variety for planting in "crazy pavements." 8 inches. **Plants only**, \$1.10 for 3.

CURLY MINT. *Mentha crispa*. Sweet, pungent scent. Quaint, curly leaves. **Plants only**, \$1.10 for 3.

LEMON MINT (Bergamot Mint). *M. citrata*. Unusual "lemony" scent. May be used for flavoring. **Plants only**, \$1.10 for 3.

Our Nursery Department ALSO OFFERS—

PARSLEY PLANTS. Pot-grown, 20 cts. each, 50 cts. for 3. Parsley furnishes more iron than spinach. Excellent source of vitamins A and C and a good source of vitamin B.

Additional Plants

These have medicinal properties, or are of sentimental interest; they are described elsewhere in this Catalogue. Please consult the Index.

Aconite (Monkshood)
Boneset. *Eupatorium*.
Carnation.
Celery.
Clary.
Dandelion.
Feverfew. *Matricaria*.
Fraxinella. *Dictamnus*.
Garlic.
Germander. *Teucrium*.
Heart's Ease (Pansy).

Horse-Radish.
Marigold. *Calendula*.
Mustard.
Nasturtium.
Pepper.
Poppy.
Stramonium. *Datura*.
Strawberry.
Sweet Flag. *Acorus calamus*.
Violet. *Viola*.

HERBS

**CULINARY
AROMATIC
MEDICINAL**

For the Kitchen Garden and for the formal
fragrant, old-time Herb Garden

MINTS, continued

PEPPERMINT. *Mentha piperita*. True English. An essence is distilled and a medicinal tea is infused from Mint. For flavoring juleps. From it menthol is obtained. 3 feet. **Plants only, \$1.10 for 3.**

WOOLLY MINT. *M. tomentosa*. A strong grower, with large, gray, woolly aromatic leaves. **Plants only, \$1.10 for 3.**

SPEARMINT. *M. viridis*. The common garden Mint. For Mint sauce, julep, jelly, etc., and for flavoring vegetables in cooking. Leaves candied for sweetmeats. 2 feet. **Plants only, \$1.10 for 3.**

ENGLISH PENNYROYAL. *M. Pulegium*. Aromatic medicinal herb. Valuable in the kitchen for seasoning. 1 foot. **Plants only, \$1.10 for 3.**

ROSEMARY. *Rosmarinus officinalis*. For seasoning; dried leaves may be added to potpourri. They repel moths. 4 feet. **Plants, \$1.10 for 3.**

RUE. *Ruta graveolens*. The bitter leaves are employed for seasoning and beverage flavoring. An essential oil is used in toilet preparations. Poultry remedy for roup. In medieval prisons was used to keep down typhus. 2½ feet. **Seed, pkt. 25 cts. Plants, \$1.10 for 3.**

SAFFLOWER (False Saffron). *Carthamus tinctorius*. Has diaphoretic properties. Used as a dye and an ingredient in cosmetics. Annual; 3 feet. **Seed only, pkt. 25 cts.**

SAGE, Common. *Salvia officinalis*. Dried leaves are employed for stuffings and sauces. Chinese today prefer a tea infused from it to tea as we know it. Essential oil used in perfumery. 15 inches. **Seed, pkt. 25 cts., oz. \$2.25. Plants, \$1.10 for 3.**

ST. GEORGE'S HERB (Valerian, Heal-All). *Valeriana officinalis*. Brilliant spring flowers with spicy fragrance. Spikenard ointment made from it; still used in medicine. 4 feet. **Plants only, \$1.10 for 3.**

SAVORY, Summer (Bohnenkraut). *Satureja hortensis*. Seasoning for all dishes. Imparts a meat-like flavor to vegetables. Annual; 18 inches. **Seed only, pkt. 20 cts., oz. \$1.**

SAVORY, Winter. *S. montana*. Seasoning herb and for flavoring liqueurs. Relieves bee-stings. Valuable edging perennial; needs a mulch over winter. 1 foot. **Plants only, \$1.10 for 3.**

TANSY. *Tanacetum vulgare*. For seasoning and flavoring. Was claimed to preserve meat. 1 foot. **Seed, pkt. 25 cts. Plants, \$1.10 for 3.**

COLLECTIONS OF HERBS

Twelve Flavorful Culinary Herbs

Balm	Peppermint	Sage
Chives	Rosemary	Winter Savory
Pot Marjoram	Spearmint	Tarragon
Sweet Marjoram	Rue	English Thyme

COLLECTION:

AH 12 plants, one each of the above . . \$4.25

AH3 36 plants, three each \$12.50

Culinary Herbs from Seeds

Collection DH. ONE PACKET, 1 each of the annual Herbs: Basil, Caraway, Coriander, Dill, Summer Savory. **75c.**

These Annuals are desirable to round off Collection AH or AH3, giving you 17 different Culinary Herbs in all

FOR THE EPICURE. Food products that are unusual are described on pages 96-99.



OLD-TIME HERBS

In medieval times much thought was expended on the design of the Herb Garden, because here, amid their perfume, contentment could be found. In your Herb Garden today you again can capture the atmosphere of lavender and old lace.

THYMES

CITRON or LEMON THYME. *Thymus citriodorus*. Scented carpeting plant. A few leaves in tea will enhance the aroma. 10 inches. **Plants only, \$1.10 for 3.**

COMMON THYME (English Thyme). *T. vulgaris*. Broad leaves. For seasoning foods, including salads and wine. Excellent edging plant. 8 inches. **Seed, pkt. 25 cts. Plants, \$1.10 for 3.**

FRENCH THYME. *T. vulgaris*. Dwarf, small-leaved, heath-like plant. Potpourri ingredient. Plant it to be walked on. 8 inches. **Plants only, \$1.10 for 3.**

CRIMSON THYME. *T. Serpyllum coccineus*. Dense, fragrant mat-plant for edging. 10 in. **Plants, \$1.10 for 3.**

MOTHER OF THYME (Creeping Thyme). *T. Serpyllum*. Valuable evergreen edging; also used for seasoning. 10 inches. **Plants only, \$1.10 for 3.**

VALERIAN (Heal-All, St. George's Herb). *Valeriana officinalis*. Brilliant spring flowers with spicy fragrance. Spikenard ointment made from it; still used in medicine. 4 feet. **Plants only, \$1.10 for 3.**

WOODRUFF (Waldmeister). *Asperula odorata*. Dried leaves have perfume of new-mown hay; put with household linen. Used in "May wine." Edging plant for partial shade. 8 inches. **Plants only, \$1.10 for 3.**

WORMWOODS

COMMON WORMWOOD (Wermuth). *A. Absinthium*. Wormwood tea is a vermifuge. Used to flavor absinthe. 18 inches. **Plants only, \$1.10 for 3.**

FRINGED WORMWOOD. *A. frigida*. For flavoring; used in perfumery. 1½ feet. **Plants only, \$1.10 for 3.**

MUGWORT. *A. lactiflora*. Fragrant perennial. The bitter leaves may be used for seasoning. Once a household remedy. 4 feet. **Plants only, \$1.10 for 3.**

OLD MAN (Southernwood; Lad's Love). *A. Abrotanum*. Shrubby plant with divided, highly aromatic leaves. Keeps moths from clothing; sprinkled on the stove, will dispel kitchen odors. 3 to 4 feet. **Plants only, \$1.10 for 3.**

OLD WOMAN (Beach Wormwood, Dusty Miller). *Artemisia Stelleriana*. Gray edging plant. 2 feet. **Plants only, \$1.10 for 3.**

TARRAGON (Estragon). *A. Dracunculus*. For salads and flavoring vinegar. Essential oil used in perfumery. **Plants only, 55 cts. each, \$1.50 for 3.**

COMMON YARROW. *Achillea Millefolium*. Fragrant foliage. Old favorite. 2½ feet. **Plants only, \$1.10 for 3.**

WOOLLY YARROW. *A. tomentosa*. Carpet-like, gray, aromatic plant. Charming edging perennial. 1 foot. **Plants only, \$1.10 for 3.**

COLLECTIONS OF HERBS

Twelve Sweetly Fragrant Herbs

Bee-Balm	Anise Mint	Rosemary
Chamomile	Apple Mint	French Thyme
Costmary	Old Man	Lemon Verbena
Lavender	Pennyroyal	Woodruff

COLLECTION:

BH 12 plants, one each of the above . . \$4.25

BH3 36 plants, three each \$12.50

Twelve Ornamental Herbs

For edging in the formal garden or planting in beds or borders

Bee-Balm	Woolly Mint
Betony	Mugwort
Germander (See p. 84.)	Rosemary
Hyssop	Tansy
Lavender Cotton, gray	Beach Wormwood
Lavender Cotton, green	Common Wormwood

COLLECTION:

CH 12 plants, one each of the above . . \$4.25

CH3 36 plants, three each \$12.50

Field Corn and Pop-Corn of High Quality

IMPROVED FIELD CORN

Sow 1 peck per acre for ears, $\frac{1}{2}$ bushel for silage, up to 1 bushel for fodder. Rows wide enough apart to allow tractor cultivation.

Flint Corns and early Dents are quick plants of moderate size and are grown for ears. Slower Dent sorts are larger and are for both ears and leaves. Fodder varieties are still larger and are grown for their leaves.

HYBRID VARIETIES

Hybrid Corn versus Open-pollinated Corn

In a field of Corn, pollen grains are carried by the wind from the upper or male flowers onto the "silk" of a neighboring Corn plant, resulting in a normal ear, consisting of kernels which are fertile, and which are able to grow. Seed Corn, as grown by first-line producers, is planted sufficiently far from other varieties that the pollination is confined to the one sort, which is therefore unmixed.

If two kinds, however, are grown together so that an *intentional* impurity is obtained, we produce a *Hybrid Corn*, and when scientific care is taken in selecting parents, in removing male flowers from the female parents, and discarding the ears from the male parents, we have high-quality hybrids such as are listed below. They are *more thrifty plants, more disease-resistant, and far heavier producers of grain or ensilage, or both.*

Cornell 34-53. (100 days.) The characteristic of this new variety is its earliness, and the certainty with which it will mature its ears; recommended for this purpose almost anywhere in New York State and southern New England. A fine yellow Dent sort with 7 to 9-inch long heavy ears with 14 to 18 rows. Essentially a grain Corn, it makes excellent ensilage also. Height 8 ft. Qt. 70 cts., postpaid 85 cts.; pk. \$4, bus. (56 lbs.) \$12, 10 bus. \$115.

S. & W. Co.'s Hybrid Yellow Dent. (105 days.) Heavy-yielding variety. Produces very long, large, sound ears, deep grains; strong, stocky, medium-tall stalk. Excellent for ensilage as well as grain. Qt. 65 cts., postpaid 80 cts.; pk. \$3.75, bus. (56 lbs.) \$11, 10 bus. \$105.

Cornell No. 29-3 Hybrid Dent. (110 days.) Adapted to our eastern conditions. Yellow kernels with a slight red tinge. It is a double-crossed hybrid which may be used for a double purpose. Splendid for ensilage in areas with short seasons and grain for other areas. Qt. 60 cts., postpaid 75 cts.; pk. \$3.50, bus. (56 lbs.) \$10, 10 bus. \$95.

Southern Hybrid Sweepstakes. (Fodder.) A cross between inbred strains of the heaviest yielding and largest stalked late southern ensilage variety, and the heaviest yielding early northern fodder Corn. Makes a large stalk and heavy tonnage, and will often mature grain in the North. This will prove a profitable sort. Qt. 60 cts., postpaid 75 cts.; pk. \$3.50, bus. (56 lbs.) \$10, 10 bus. \$95.

Open-pollinated Corn

Colden Eureka (Dent). Under favorable conditions may yield 150 bushels of ears or 25 tons of silage per acre. Grows 12 feet high; ears average 12 to 15 inches long, 18 or 20 rows, yellow grains, and small cob. 100 days. Qt. 35 cts., postpaid 50 cts.; pk. \$1.75, bus. (56 lbs.) \$5.25, 10 bus. \$50.

Cornell No. 11 (Dent). A 110- to 115-day yellow Corn for silage as well as grain. Ears 9 to 10 inches, 14- to 18-rowed, with small red cobs. Grows 8 to 9 feet tall. Qt. 40 cts., postpaid 55 cts.; pk. \$1.85, bus. (56 lbs.) \$5.50, 10 bus. \$53.

Longfellow (Flint). (90 days.) Ears 12 inches long; cobs small; kernels of good size. Safe for the production of ears as far north as Massachusetts. Qt. 35 cts., postpaid 50 cts.; pk. \$1.75, bus. (56 lbs.) \$5.25, 10 bus. \$50.

Jumbo Silage. (Fodder.) An improved West Branch Sweepstakes. Large plant, 12 to 15 feet high. Recommended for low, rich lands. Qt. 40 cts., postpaid 55 cts.; pk. \$1.85, bus. (56 lbs.) \$5.50, 10 bus. \$53.

Evergreen. (Fodder.) A sweet Corn valuable as silage or green fodder. Qt. 45 cts., postpaid 60 cts.; pk. \$2.75, bus. (45 lbs.) \$8, 10 bus. \$75.



SEED PRESERVER FOR CORN insures your seeds. It prevents crows and other birds taking the seed; it protects against ground-rot and smut. It is non-poisonous and does not retard germination.

Large can, enough for 2 bus. seed corn. \$1 00
Small can, enough for 1 bus. 60



Husking Corn

POP-CORN

Slow curing under cover in thin layers and with maximum ventilation ensures good popping quality. Sow 5 pounds per acre in hills.

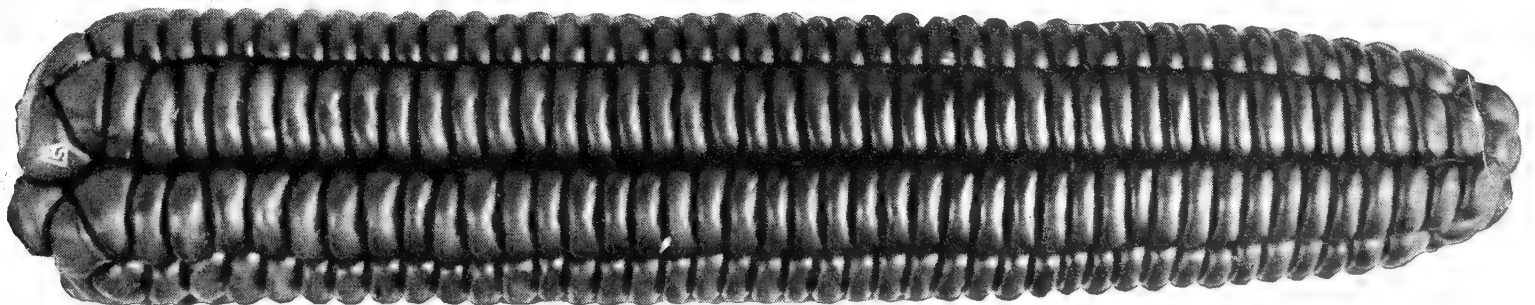
Sunburst. Fine large yellow kernels that have a buttery tint when popped. Lb. 35 cts., postpaid 50 cts.; 10 lbs. \$3, 100 lbs. \$25.

White Hullless. Small, white kernels. Lb. 35 cts., postpaid 50 cts.; 10 lbs. \$3, 100 lbs. \$25.

SEMESAN JR. IMPROVED. Corn-disinfectant. Protects seed against smut, root-rotting, increases germination, improves the stand, increases the yield, controls blight. Allow 4 ounces for each 2 to 3 bushels of Corn. 12 ozs. 56 cts., $6\frac{1}{4}$ lbs. \$3.75, 25 lbs. \$12.50, 100 lbs. \$45. (Circular on request.)

SAWCO-JAPY

Spore dust, manufactured by J. J. Parker, U. S. Dept. of Agriculture Licensee, under patent No. 2,258,319. Infects soil with milky disease; destroys Japanese Beetle Grubs. One pound, treats 4000 sq. ft., \$7.50.



Longfellow (Flint) Corn

Cereals, Sorghums, and Sundry Farm Seeds



Field of Storm King Oats

SORGHUMS AND MILLETS

AMBER SUGAR-CANE. Sow 50 pounds per acre. Lb. 25 cts., postpaid 40 cts.; 10 lbs. \$1.75, 100 lbs. \$12.

SUDAN GRASS. Sow 30 pounds per acre. Lb. 30 cts., postpaid 45 cts.; 10 lbs. \$2.25, 100 lbs. \$17.50.

BROOM CORN. Sow 20 pounds per acre. Lb. 50 cts., postpaid 65 cts.; 10 lbs. \$4.50, 100 lbs. \$35.

KAFFIR CORN. For semi-arid regions. Sow 15 pounds per acre in rows; 50 pounds broadcast. Lb. 20 cts., postpaid 35 cts.; 10 lbs. \$1.50, 100 lbs. \$12.

MILO MAIZE. Used for soiling and fodder. Sow 15 pounds per acre. Lb. 30 cts., postpaid 45 cts.; 10 lbs. \$2, 100 lbs. \$15.

MILLETS. Catch-crops to replace corn, wheat, or other crops which may have failed. They are fed green, or as silage or hay.

Golden. Sow 50 pounds per acre. Lb. 25 cts., postpaid 40 cts.; 10 lbs. \$1.75, 100 lbs. \$12.

Hungarian. Sow 50 pounds per acre. Lb. 25 cts., postpaid 40 cts.; 10 lbs. \$1.75, 100 lbs. \$12.

Barnyard. Sow 25 pounds per acre. Lb. 20 cts., postpaid 35 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

CERESAN

New Improved Formula

It is recommended that wheat, oats, barley and sorghums be treated with Ceresan before sowing, with a view to controlling bunt, smut and other fungous conditions. One ounce treats 2 bushels of seed, 1 pound 32 bushels. 4 ozs. 30 cts., lb. 80 cts., 4 lbs. \$2.70, 8 lbs. \$5.40, 25 lbs. \$15, 100 lbs. \$55.

SEED OATS

Superior varieties often weigh up to 40 pounds per measured bushel, but are sold at the standard weight of 32 pounds per bushel. For production of grain, use $2\frac{1}{2}$ bushels per acre; for forage, 3 bushels. Sown with Canada Peas, $1\frac{1}{2}$ bushels each of Oats and Peas per acre.

Storm King. Fine, hardy, heavy, thin-hulled Oat. Heavy yielder. Stout straw. Pk. \$1, bus. (32 lbs.) \$3, 10 bus. \$28.50.

Welcome. Heavy, handsome, and productive. Swedish type. Qt. 25 cts., postpaid 40 cts.; pk. 90 cts., bus. (32 lbs.) \$2.75, 10 bus. \$26.

REX BARLEY. A new two-row sort. High-yielding and satisfactory. The kernels are large, plump, and heavy. Splendid for the dairy farmer who uses one bushel each of Barley, Oats, and Field Peas per acre. When used alone, sow $1\frac{1}{2}$ to 2 bushels per acre. Qt. 30 cts., postpaid 45 cts.; pk. \$1.50, bus. (48 lbs.) \$4.50, 10 bus. \$42.50.

SPRING RYE. Valuable with Vetch as a plow-under crop for soil-improvement, using $\frac{1}{2}$ bus. with 75 lbs. of Vetch per acre. When grown alone, sow $1\frac{1}{2}$ bus. of Rye per acre. Qt. 30 cts., postpaid 45 cts.; pk. \$1.50, bus. (56 lbs.) \$4.50, 10 bus. \$42.50.

SPRING WHEAT. A heavy-cropping, hard, beardless variety. Sow in spring, $1\frac{1}{2}$ to 2 bus. per acre. Qt. 35 cts., postpaid 50 cts.; pk. \$1.65, bus. (60 lbs.) \$5, 10 bus. \$47.50.

WHEAT FOR COOKING. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

SUNDRY FARM SEEDS

MAMMOTH BUCKWHEAT. More prolific than other sorts, and the grains are nearly twice as large. Sow about the middle of June, broadcast, $1\frac{1}{2}$ bushels per acre. Qt. 25 cts., postpaid 35 cts.; pk. \$1.25, bus. (48 lbs.) \$3.75, 10 bus. \$36.

FLAX or LINSEED. Use 75 pounds per acre. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.25, 100 lbs. \$17.50.

DWARF ESSEX RAPE. For sheep, hogs, and cattle. Sow in July or August, using 12 pounds per acre broadcast or 5 pounds per acre in drills. Lb. 40 cts., postpaid 55 cts.; 10 lbs. \$3.50, 100 lbs. \$30.

SUNFLOWER, Mammoth Russian. For poultry feed. Four pounds of seed will sow an acre. Lb. 40 cts., postpaid 50 cts.; 10 lbs. \$3.75, 100 lbs. \$35.



Field of Barley

Leguminous Farm Seeds and Root Crops



Soybeans

In Place of Manure Grow Soil-improving Plants; plow or dig them under

The added organic material will retain plant-food and hold moisture. Do not allow even the smallest area to remain idle, but harrow or rake under General Garden Fertilizer, 1 ton per acre or 50 pounds to each 1000 square feet, and sow one or more of the under-noted crops, appropriate to the season. It is desirable to sow combinations of them; when mixed together the stated quantities may be reduced in proportion.

	Quantity when sown alone	Per acre	Per 1000 sq. ft.
SPRING SEEDING			
*Spring Vetch.....	100 lbs.	3 lbs.	
*Canada Field Peas....	3 bus.	3 qts.	
Spring Rye.....	2 bus.	2 qts.	

SUMMER SEEDING			
*Soy Beans.....	2 bus.	2 qts.	
*Cowpeas.....	2 bus.	2 qts.	
Mammoth Buckwheat.....	2 bus.	2 qts.	
*Crimson Clover.....	35 lbs.	1 lb.	

EARLY FALL SEEDING			
Winter Rye.....	2 bus.	2 qts.	
Winter Wheat.....	2 bus.	2 qts.	
*Winter or Hairy Vetch.....	100 lbs.	3 lbs.	

SEEDING ANY TIME			
*Mixed Clovers (Sawco Formula No. 3).....	35 lbs.	1 lb.	

Varieties marked * are legumes, and are of additional value because of the nitrates which are added to the soil by colonies of bacteria in nodules on the roots of leguminous plants. Treat seeds marked * with Nitragin before sowing to insure a sufficiency of these bacteria.

COWPEAS

For improving soils by plowing under; also valuable as hay. Sow 2 bus. per acre.

Mixed Cowpeas. Qt. 50 cts., postpaid 65 cts.; pk. \$2.50, bus. (60 lbs.) \$7.50, 10 bus. \$72.50.

SOY BEANS The Crop of Many Uses

Mammoth Yellow and Wilson are slow-growing, tall and bushy sorts which do not mature Beans in northern latitudes, but are the best to use for green cattle and hog feed, for silage or excellent hay; also for plowing under for soil-improvement.

For these purposes, sow 3 to 4 pecks per acre in close rows, or 6 to 8 pecks if drilled solid or broadcast. When grown with corn, allow 1 peck with 15 pounds of corn to the acre.

Cayuga grows quickly enough to mature its Beans in the North. They are excellent for mixing with corn and other materials for high protein dairy and stock feed. From these Beans, the valuable Soy-bean oil is expressed; they also supply the foods, plastics, paints, varnishes and soaps with which we are becoming increasingly familiar. For the production of Beans, use 2 to 3 pecks per acre, drilled into 20 to 30-inch rows. The culture of Soybeans makes the land more productive for a succeeding crop.

Mammoth Yellow. Enormous plants. Ideal for green feed, silage or hay; and for plowing under. Yellow seed.

Wilson. A black-seeded sort. Early, but somewhat smaller.

Above 2 sorts, qt. 35 cts., postpaid 50 cts.; pk. \$1.75, bus. (60 lbs.) \$5, 10 bus. \$48

Cayuga. Suitable for production of Beans in the North. Qt. 35 cts., postpaid 50 cts.; pk. \$2, bus. \$6, 10 bus. \$58.

Edible Soy Beans. Steep pods in hot water, then shell. For high-protein food.

Sawco Selected. 1/2 lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

Soy Beans for Sprouting. Much used in Chinese cookery. Lb. 15 cts., postpaid 30 cts.; 5 lbs. 60 cts., postpaid 85 cts.

VETCHES OR TARES

Excellent for milk-production and fattening live-stock, either green or as silage or hay. Recommended as plow-under crops for soil-improvement. Usually grown with oats, wheat, or rye to keep them off the ground.

Spring Vetch (*Vicia sativa*). Sow in spring, using 150 lbs. per acre, broadcast, or 100 lbs. in drills; or 1/2 bus. of a cereal and 75 lbs. of Vetch. Lb. 30 cts., postpaid 45 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

Winter or Hairy Vetch (*Vicia villosa*). For spring and autumn seeding, using 125 lbs. per acre, broadcast, or 100 lbs. in drills; or 1/2 bus. of a cereal and 75 lbs. of Winter Vetch. Lb. 35 cts., postpaid 50 cts.; 10 lbs. \$3, 100 lbs. \$25.

CANADA FIELD PEAS. Three bushels per acre or 1 1/2 bus. Peas and 1 1/2 bus. oats. Qt. 45 cts., postpaid 60 cts.; pk. \$2.50, bus. (60 lbs.) \$7.50, 10 bus. \$72.50.

WHY INOCULATE? Seeds of all legumes will yield better results if inoculated with Nitragin, and, in addition, leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops in the rotation. Plants produced from inoculated seed will have more nodules on their roots.

For all Legumes use NITRAGIN, nitrogen-fixing bacteria in jelly form. Distinct bacteria for every crop: Alfalfa or Clovers, except Lespedeza: to treat up to 1 bus. 50 cts., 2 1/2 bus. \$1. Vetches, Canada Field Peas or Lespedeza: up to 100 pounds 50 cts. Cowpeas or Soybeans: up to 120 pounds 30 cts. Garden Size: treats up to 24 pounds, 25 cts. State crop when ordering.

ROOTS FOR STOCK

We recommend Mangels, Carrots and Rutabagas to the cattle breeder, dairy farmer and poultry raiser. A palatable, easily stored, easily digested, and nutritious food is yielded in large quantities per acre. They stimulate the flow of milk of high grade; their cultivation ensures the thorough cleaning of the land; and they may be stored into the winter in root-cellar or outdoor "pits" with but little trouble.

MANGEL AND SUGAR BEET

Sow in drills 30 inches apart; thin to 12 inches. 6 to 8 lbs. per acre in the spring.

Mammoth Long Red. A giant among Mangels, and the variety most frequently grown. The roots are enormous, very uniform in shape, smooth and clean, with but small top growth. The skin is bright, rich red, and under favorable growing conditions the roots may reach a length of 3 feet. 1/4 lb. 75 cts., lb. \$2, 10 lbs. \$18.

Half-Sugar Rose. Long root with pink skin and white flesh. 1/4 lb. 75 cts., lb. \$2, 10 lbs. \$18.

Golden Tankard. 1/4 lb. 75 cts., lb. \$2, 10 lbs. \$18.

Klein Wanzleben Sugar Beet. Root contains a high percentage of sugar. Oz. 30 cts., 1/4 lb. 75 cts., lb. \$2, 10 lbs. \$18.

FIELD CARROT

Especially valuable for horses. Sow 4 pounds per acre from May 15 to July 1. Prices are delivered.

Mammoth White Belgian. Root 16 inches long. Skin white; flesh white. 1/4 lb. 85 cts., lb. \$2.50, 10 lbs. \$23.

Danvers Cattle. 1/4 lb. \$1, lb. \$3, 10 lbs. \$29.

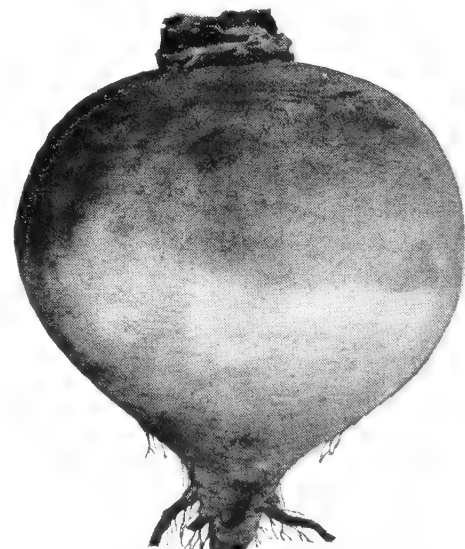
Long Orange Cattle. 1/4 lb. \$1, lb. \$3, 10 lbs. \$29.

RUTABAGA OR SWEDE

Sow 4 pounds per acre in June, in drills 30 inches apart. Prices are delivered.

American Purple-Top. Reddish purple top; nutritious yellow flesh; spherical shape. 1/4 lb. 65 cts., lb. \$1.55.

Long Island Improved. Oz. 30 cts., 1/4 lb. 75 cts., lb. \$1.75.



American Purple-Top Rutabaga

Grass Seeds for Hay or Permanent Pasture



The Sawco Grass and Clover Formulas

We have furnished these for over forty years, and they have long shown their suitability to conditions in the greater metropolitan district, where they have proved highly satisfactory to our many customers. They are compounded from a wide range of varieties.

Sawco Formula No. 1. Grasses only of high quality for pasture and hay, consisting of nine permanent varieties, correctly proportioned. No Clover. Sow 45 pounds per acre. Lb. 55 cts., 10 lbs. \$4.50, 100 lbs. \$40.

Sawco Formula No. 2. Grasses and Clovers of high quality for pasture and hay. This mixture consists of twelve ingredients, giving good pasturage and heavy cuts of highly nutritious hay. Sow 40 pounds per acre. Lb. 60 cts., 10 lbs. \$5.40, 100 lbs. \$45.

Sawco Formula No. 3. Clovers only of high quality for rich pasturage. No grasses. Sow 15 pounds per acre. Lb. 75 cts., postpaid 85 cts.; 5 lbs. \$3.50, postpaid \$3.75; 100 lbs. \$60, f.o.b. our stores.

Sawco Low-Cost Formula No. 4. For hay and pasture; consists of Timothy, Redtop and Clover only. Sow 30 pounds per acre. Lb. 50 cts., 10 lbs. \$4.25, 100 lbs. \$32.50.

When ordering any of these formulas, kindly state whether your soil is (a) loamy, (b) bottom-land, (c) shaded orchard or (d) poor, including hillside.

We deliver Grass Seeds anywhere in the U. S.; Clovers are F.O.B. our stores, purchaser paying transportation, except where noted

Prices quoted meet all ceiling regulations
as of Dec. 1, 1944

CLOVERS

Seed of Maximum Purity and
Highest Germination

Prices F.O.B. our stores
except where noted

In addition to their value as pasture and hay crops, they transform the nitrogen of the air into nitrates; thus they improve the soil.
Prices on request for larger quantities than shown.

Medium Red. Summer crop is usually cut when in blossom for hay; second crop in late summer. Sown spring or fall, and if alone, at the rate of 20 pounds per acre. American seed. Lb. 75 cts., 5 lbs. \$3.50, postpaid.

Mammoth Red. A larger type than the preceding. Sow, if alone, 15 pounds per acre. American seed. Lb. 75 cts., 5 lbs. \$3.50, postpaid.

Alsike (Swedish Clover). Hardy and will do better on unfavorable land than others. Usually sown in mixtures; if used alone, allow 10 pounds per acre. Lb. 75 cts., 5 lbs. \$3.50, postpaid.

White Clover. (Supply is limited due to war.) Used in mixtures for pastures or lawns. Lb. \$1.50, 10 lbs. \$14, 100 lbs. \$125. (Delivery charges prepaid.)

Wild White Clover. More permanent and more spreading than plants originating from commercial seeds. Thrives on soils that are too poor to support other Clovers. Inclusion of 1 pound per acre in a seed mixture is recommended to increase the yield of hay or pasturage. 1/4 lb. \$1, lb. \$3, 10 lbs. \$27.50. (Delivery charges prepaid.)

Ladino Clover. A giant white Clover, excellent for permanent pastures. Good either for shallow or heavy soils, but especially profitable on moist ones. Produces heavily over entire pasture season. Lb. \$3.50, 10 lbs. \$32.50, postpaid.

Alfalfa or Lucerne. Deep roots resist drought. Use 25 pounds per acre drilled, or 35 pounds broadcast. Northern-grown, cold-resistant American seed. Lb. 85 cts., 5 lbs. \$4, postpaid.

Grimm Alfalfa. Hardier, bigger, and more tolerant of unfavorable soils than the type. Use 20 pounds per acre drilled, or 25 pounds broadcast. Lb. 90 cts., 5 lbs. \$4.25, postpaid.

Crimson Clover. For early spring pasture or for hay. Use 20 pounds per acre from June to October. Lb. 50 cts., postpaid 65 cts.; 10 lbs. \$4, 100 lbs. \$32.50.

Sweet Clover. Fair fodder when young, and excellent to turn under. Bee-plant. 6 ft. Sow 15 pounds per acre. Lb. 45 cts., 5 lbs. \$2.15, postpaid.

Yellow Sweet Clover. A yellow-flowered counterpart of the above. Lb. 45 cts., 5 lbs. \$2.15, postpaid.

Birdsfoot Trefoil (*Lotus corniculatus*). A drought-resistant perennial legume of dwarf stature. As a bottom plant is highly valuable in pastures and even for rough lawns, on slopes. Lb. \$2.50, 10 lbs. \$22.50.

Lespedeza. For pasture, hay and lawn on poor land in warmer sections.

Korean. Lb. 40 cts., postpaid 55 cts.; 10 lbs. \$3.25, 100 lbs. \$25.

Kobe. Lb. 50 cts., postpaid 65 cts.; 10 lbs. \$4, 100 lbs. \$32.50.

Sericea. (Perennial.) Lb. 70 cts., postpaid 85 cts.; 10 lbs. \$6, 100 lbs. \$55.

YOU DON'T HAVE TO BUY NITRATES

Leguminous plants (Clovers, Beans, Peas, and Vetches) will collect them for you from the air with the aid of nitrogen-fixing bacteria. To insure that there is a sufficiency of these in the soil, it is desirable to treat all seeds of legumes before sowing them.

Use NITRAGIN. Nitrogen-fixing bacteria in jelly form. Distinct bacteria for every crop: Alfalfa or Clovers, except Lespedeza: to treat up to 1 bus. 50 cts., 2 1/2 bus. \$1. Lespedeza: up to 100 lbs. 50 cts. State crop when ordering.

Cornell Pasture and Hay Mixtures

The following three mixtures of grass and clover seeds are compounded strictly in accordance with the most recent specifications of the Department of Agronomy, Cornell University. However, we use higher quality ingredients than specified.

Cornell General-Purpose Mixture. For hay and pasture or pasture alone. For soil of fair quality, but will thrive under drier conditions than the Special Pasture Mixture. May be used with a grain crop. Sow 20 pounds per acre. Lb. 80 cts., 10 lbs. \$7, 100 lbs. \$65.

Cornell Special Pasture Mixture. For good land, adequately fertilized. A companion grain crop is not advised. Sow 25 pounds per acre. Lb. 90 cts., 10 lbs. \$8, 100 lbs. \$75.

Cornell Utility Mixture. For poorer soil than either of above. Minimum seeding per acre, 20 pounds. Lb. 75 cts., 10 lbs. \$6.50, 100 lbs. \$60.

Quantities are those recommended by Cornell University.

Where maximum speed is needed, and on weed-seed-infested land, these amounts may well be increased by 50 per cent.

Special Note. This is a suggestion of the Stumpp & Walter Co. and is not necessarily endorsed by Cornell.

New Grass Sub-Varieties

We offer the following improved modern strains:

Creeping Red Fescue, Old's Strain. Definitely creeping and especially valuable for lawns. The turf is superior to that of the standard Red Fescue. Lb. \$1.35, 10 lbs. \$12.50, 100 lbs. \$115.

Orchard Grass, Akaroa Strain. A New Zealand sub-variety. Produces heavier crops and stools less than the type. Recommended for the metropolitan area and south, but not a great distance north, because it is unlikely to stand exceptionally severe winters. Lb. \$1, 10 lbs. \$9, 100 lbs. \$85.

Ryegrass, Svalof. The true Swedish Victoria strain. A heavy-cropping, perennial, leafy sort, and exceptionally winter-hardy. Lb. 65 cts., 10 lbs. \$6, 100 lbs. \$50.

Timothy, Aberystwyth S 50 Type. Good pasture variety and dwarf enough even for lawns. Creeping, the dense sod persists under close grazing. Height, when mature, 18 inches. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

Individual Grass Varieties

Of Known Quality—Maximum Purity
and Highest Germination

Agrostis Varieties or Bents

One pound contains about 4,000,000 live seeds

TRIPLE A BENT. The best type of *Agrostis tenuis*; produces a stoloniferous, deep-rooted sod. Under constant mowing, it develops a turf akin to fine, silk-like, bright green Velvet Bent. Triple A turf becomes green early in spring and retains its color late in autumn. Lb. \$1.75, 10 lbs. \$16, 100 lbs. \$150.

SEASIDE BENT or CREEPING BENT (*Agrostis palustris*). Coos County Strain. The plant is dwarf and it multiplies rapidly by sending out runners in all directions; from these new plants are produced, and these, in turn, grow more runners. The turf becomes matted, and if damaged, it heals over promptly. Lb. \$1.60, 10 lbs. \$14.50, 100 lbs. \$135.

RHODE ISLAND BENT or COLONIAL BENT (*Agrostis tenuis*). Native seed. Produces a turf of good color, fine texture, and resistant to drought. Lb. \$1.70, 10 lbs. \$15.50, 100 lbs. \$145.

COLONIAL BENT (*Agrostis tenuis*). Identical with native Rhode Island Bent. Makes excellent turf, and is permanent under close cutting. Our seed contains less than one-tenth of 1 per cent of weeds. Lb. \$1.75, 10 lbs. \$16, 100 lbs. \$150.

ASTORIA BENT (*Agrostis tenuis* var.). Produces a fine matted turf. Develops strong underground runners, making it a valuable soil-binder. Lb. \$1.55, 10 lbs. \$14, 100 lbs. \$130.

SOUTH GERMAN BENT or FLORIN. For many decades, good lawns and putting-greens have been sown with this seed, producing turf of fine texture. (Unable to offer—due to war.)

VELVET BENT (*Agrostis canina*). Dwarfest of the turf grasses, producing a sward of exquisite, silk-like texture. Crop failure.

REDTOP (*Agrostis alba*). A good pasture and hay grass and valuable as a nurse grass in lawns. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination...	\$0	55	\$5	00	\$40	00
Superfine Sample. For specialists' use.....	60	5	50	45	00	
Unhulled.....	45	4	00	30	00	

Poa Varieties

One pound contains about 2,000,000 live seeds

BIRDGRASS or SHADE BLUEGRASS (*Poa trivialis*). One of the few grasses that will grow in shaded situations. Resistant to drought. Lb. \$2, 10 lbs. \$19.

KENTUCKY BLUEGRASS (*Poa pratensis*; June Grass). Used for all purposes in the northern states. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination ..	\$0	75	\$7	00	\$60	00
Superfine Sample. For specialists' use	85	8	00	70	00	

CANADA BLUEGRASS (*Poa compressa*). Similar to Kentucky Bluegrass but of a less pleasing color. Lb. 80 cts., 10 lbs. \$7.50, 100 lbs. \$65.

ANNUAL BLUEGRASS (*Poa annua*). Dwarf plant that spreads rapidly by depositing its own seed, however closely it is mown. Produces its best turf early and late. Lb. \$1.25, 10 lbs. \$11.50.



Experimental Turf Plots at the Stumpp & Walter Co.'s testing grounds at Farmingdale, Long Island. Here research work was carried on for many years.

Fescue Varieties

One pound contains from 500,000 to 1,000,000 live seeds

CHEWING'S FESCUE (*Festuca rubra commutata*). Produces a mat-like turf of a pleasing green color. The leaves are fine, needle-like, and bristly. Resistant to heat, drought, and hard wear. Imported seed. Lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$105.

CHEWING'S FESCUE, STRAIN 53-27. Quicker germinating than the type; more resistant to chinch-bug and deeper rooting. Lb. \$1.45, 10 lbs. \$13.50, 100 lbs. \$125.

CHEWING'S FESCUE, U. S. grown seed. High purity and germination. Lb. \$1.35, 10 lbs. \$12.50, 100 lbs. \$115.

CREEPING RED FESCUE (*Festuca rubra genuina*). True strain. For fine turf. Lb. \$1.35, 10 lbs. \$12.50, 100 lbs. \$115.

CREEPING RED FESCUE, OLD'S STRAIN. See page 28. Lb. \$1.35, 10 lbs. \$12.50, 100 lbs. \$115.

MEADOW FESCUE (*Festuca elatior pratensis*). A flat, broad-leaved grass. Tall; grows quickly. Lb. 70 cts., 10 lbs. \$6.50, 100 lbs. \$55.

TALL FESCUE, ALTA STRAIN (*Festuca elatior*). Mostly used for pasture; does well on most heavy land. Lb. 90 cts., 10 lbs. \$8.50.

Rye Grasses

One pound contains about 300,000 live seeds

PERENNIAL RYEGRASS (*Lolium perenne*). A quick-growing, tall grass, sometimes included in lawn mixtures for speed. Valuable hay and pasture variety. Lb. 60 cts., 10 lbs. \$5.25, 100 lbs. \$42.50.

PACEY'S PERENNIAL RYEGRASS (*Lolium perenne Pacey*). A smaller-seeded, slightly dwarfier type of English Ryegrass. Lb. 60 cts., 10 lbs. \$5.50, 100 lbs. \$45.

SVALOF RYEGRASS (*Lolium perenne*). See page 28. Lb. 65 cts., 10 lbs. \$6, 100 lbs. \$50.

ITALIAN RYEGRASS (*Lolium multiflorum*). A coarse, tall grass; mammoth producer of hay. Lb. 45 cts., 10 lbs. \$3.75, 100 lbs. \$27.50.

DOMESTIC RYEGRASS. Much used as a temporary winter turf in the South. Lb. 35 cts., 10 lbs. \$3, 100 lbs. \$22.50.

Sundry Varieties

SMOOTH BROMEGRASS (*Bromus inermis*). Height 30 inches, with creeping roots. Useful for binding embankments. A pasture grass for dry soils. Lb. 60 cts., 10 lbs. \$5.50, 100 lbs. \$45.

CRESTED DOGSTAIL (*Cynosurus cristatus*). Lb. 80 cts., 10 lbs. \$7.50, 100 lbs. \$65.

CRESTED WHEATGRASS (*Agropyron cristatum*). A hardy, drought-resistant variety, native to the dry plains of Siberia. A coarse type, growing profusely in cold weather. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

DALLAS GRASS (*Paspalum dilatatum*). A perennial hay or pasture grass for the South and tropics. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

ORCHARD GRASS (*Dactylis glomerata*). A coarse, bluish green plant, widely used for hay and pasture. Lb. 75 cts., 10 lbs. \$7, 100 lbs. \$60.

AKAROA STRAIN ORCHARD GRASS. See page 28. Lb. \$1, 10 lbs. \$9, 100 lbs. \$85.

REED CANARY GRASS (*Phalaris arundinacea*). For land which is continuously wet. Sow 10 lbs. per acre. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

RHODES GRASS (*Cbloris gavana*). A perennial forage grass for the South and tropics. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

TALL OATGRASS (*Arrhenatherum elatius*). Lb. 75 cts., 10 lbs. \$7, 100 lbs. \$60.

TIMOTHY (*Pbleum pratense*). A quick-growing, tall grass, for hay and pasture. Lb. 18 cts., postpaid 28 cts.; 10 lbs. \$1.55, postpaid \$1.85; 100 lbs. \$13.50 (Purchaser pays transportation).

TIMOTHY, Aberystwyth, S 50 Type. See page 28. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

WHITE CLOVER (*Trifolium repens*). Used for lawns and pasture. Oz. 25 cts., 1/4 lb. 50 cts., lb. \$1.50, 10 lbs. \$14, 100 lbs. \$125.

WILD WHITE CLOVER. Collected in old pasture areas in Kent, England. The plant is smaller and dwarfier, with fewer blossoms. (Imported seed.) Oz. 35 cts., 1/4 lb. \$1, lb. \$3, 10 lbs. \$27.50.

YARROW-REDTOP MIXTURE. Contains about 54% Yarrow (*Achillea millefolium*) which is a drought-resisting plant with delicate, fern-like leaves. When added to seed mixtures for exceptionally dry situations it often makes excellent lawns. Oz. 15 cts., 1/4 lb. 35 cts., lb. \$1, 10 lbs. \$9, 100 lbs. \$80.

BERMUDA GRASS. A strongly creeping, medium-fine grass for lawns and putting-greens in the South. Lb. \$1.10, 10 lbs. \$10, 100 lbs. \$90.

BERMUDA GRASS. Hulled Seed. For speedier germination. Lb. \$1.45, 10 lbs. \$13.50, 100 lbs. \$125.

CARPET GRASS. Coarser than Bermuda Grass, but good on moist, sandy soils. For pastures and lawns. Lb. 90 cts., 10 lbs. \$8, 100 lbs. \$70.

FLAWN (*Zoysia matrella*). The new wonder grass for the South. Propagated from small runners. Per block of sod (9 sq. ft.), plants 50 square feet, requiring one year to fill in, \$9.



A large Staigreen
Lawn

Pamphlet "How
to Build a Permanent
Lawn" free in every
package

Staigreen

LAWN SEED BEST ON EARTH

SINCE 1912

HIGH PURITY

HIGH GERMINATION

TIME-TESTED FORMULA

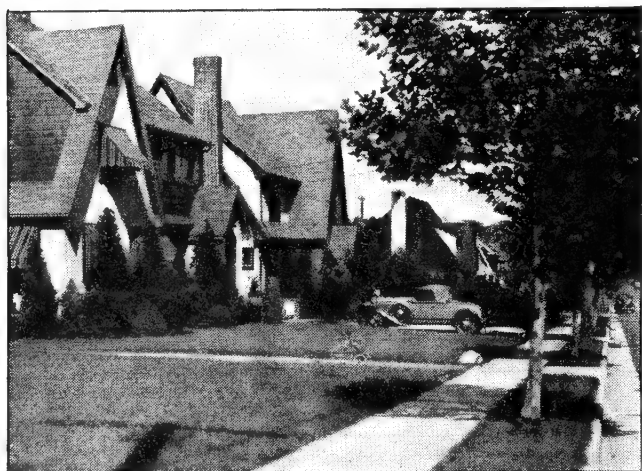
Maximum Freedom from Weeds—Contains No Crabgrass

DON'T EXPERIMENT—WE'VE DONE THAT FOR YOU

Staigreen is a modern Lawn Seed Mixture, the result of years of experimenting and practical sowing on all types of soil. With it many of the best lawns in the northern United States have been built. It is composed of the strongest, finest and most permanent grass varieties, including Bent. Under favorable conditions it will produce a deep-rooted turf, luxuriant, carpet-like and emerald-green from early spring through summer to early winter.

Staigreen weighs 30 pounds to the measured bushel, which is exceptionally high for Lawn Seed, and heavy seed means pure seed of high quality, free from weeds and chaff. STAIGREEN is also free of Ryegrass or Timothy. We recommend STAIGREEN for all lawns, whether new or old, except in heavy shade or in the extreme South. STAIGREEN contains no white clover, but if desired in your lawn, we suggest you purchase white clover separately on the basis of 1 pound to each 20 pounds of STAIGREEN, and mix prior to seeding.

Staigreen was introduced by us in 1912. It is moderate in price, but is not "cheap." After all, the cost of good seeds in the making or maintenance of a lawn is but a small fraction of the total.



A Staigreen Lawn in Summit, N. J.

Prices of Staigreen

Lb.	\$0 80	25 lbs.	17 50
2½ lbs.	\$1 95	100 lbs.	67 50
5 lbs.	3 85		
10 lbs.	7 25		

Includes delivery to your home

NEW 32-PAGE BOOKLET

LAWN QUIZ

Interesting — Informative

Hundreds of questions about Lawns. How to make them. How to renovate them. How to feed, mow and care for them generally. The many uses to which you can put your Lawn.

Answers are by experts

The cost is 25 cts., but we mail it free on request with orders of \$5 or over, received before June 1.

Quantity of Staigreen to Use

	Sowing New Lawns	Renovating Old Lawns
	Lbs.	Lbs.
200 sq. feet.	1	½ to ¾
1000 sq. feet.	5	2½ to 4
Acre.	200	75 to 125

These amounts will give satisfactory results under average conditions, but if time is not important, and if your soil is good and rich, they may be reduced.

They are sometimes doubled by experienced turfmakers, especially when a lawn is sown in the spring.

Sow during spring, autumn or winter. Avoid hot weather.

Sawco-Japy

Bacteria which infects the land with milky disease, fatal to Japanese Beetle grubs. 1 lb. (treats 4000 sq. ft.) \$7.50.

Turf in the Shade



The most beautiful of lawns is the one o'ershadowed by trees

Shady Place Lawn Seed

Consists of shade-tolerant grass varieties, properly proportioned, together with sorts which do well in full light. So the formula may be used on both sunny and shaded areas of the lawn. Use 5 pounds per 1000 square feet, or 200 pounds per acre. In very stubborn cases it may be necessary to renovate the lawn every season for several years, proceeding thus: Add lime every winter at the rate of 50 pounds per 1000 square feet; fork the land lightly in the spring, and apply Sawconure, 50 pounds per 1000 square feet and 25 pounds of Emerald Grass Fertilizer; rake smooth and sow Shady Place Lawn Seed. Repeat the program at the end of summer. **Lb. 90 cts., 2½ lbs. \$2.15, 5 lbs. \$4.25, 10 lbs. \$8.25, 25 lbs. \$20, 100 lbs. \$77.50.**

All-Bent Formula

A mixture of Bent Grasses, the dwarfest sorts in cultivation, creeping in habit, and capable of producing a dense mat of the finest silky turf. To these is added a proportion of high-quality Redtop. In rich soil this formula will produce a turf finer in texture than a lawn of the ordinary type, and the creeping character of these varieties produces the soft, luxurious feel of a deep, rich green rug.

Soil must be rich and should have Sawconure and Emerald Fertilizer worked into it; these also should be applied as a top-dressing every spring and autumn. Sow 3½ pounds of seed per 1000 square feet or 125 pounds per acre. **Lb. \$1.25, 2½ lbs. \$3, 5 lbs. \$5.75, 10 lbs. \$11.25, 25 lbs. \$26, 100 lbs. \$100.**

S. & W. Co.'s Creeping Bent Seed. Pure seed of the finest of turf grasses. Over six million seeds to the pound, and this combined with the creeping character of the plants makes it possible to sow at a reduced rate on well-prepared soil. Use 2½ pounds per 1000 square feet. With care it will make a putting-green of your lawn. **Lb. \$1.65, 2½ lbs. \$4, 5 lbs. \$7.75, 10 lbs. \$15, 25 lbs. \$35.**

Turf for Large Areas

Sawco High-Grade Lawn Seed. For lawns where low cost is important. Composed of fine re-cleaned grasses with white Clover, carefully proportioned so that they succeed one another throughout summer. One pound will sow 200 square feet; 200 pounds, an acre. **Lb. 70 cts., 2½ lbs. \$1.70, 5 lbs. \$3.35, 10 lbs. \$6.25, 25 lbs. \$14.50, 100 lbs. \$55.**

Greenwood Formula. For cemeteries and parks. Produces turf of medium fineness if mown frequently. Although low in cost, Greenwood Formula contains high-quality grass seeds of strong germination, producing a permanent turf. There is no Clover in the mixture. Use one pound per 10 by 20 feet for new lawns; 200 pounds per acre. **Lb. 60 cts., 5 lbs. \$2.75, 10 lbs. \$5.25, 25 lbs. \$12.50, 100 lbs. \$47.50.**

For renovating, use half the quantities recommended for the several formulas above. For quick results, use double these amounts.

Contractors' Grass Formula

As supplied by us in large quantities for use at Army camps, training-grounds, defense housing projects, highway embankments, etc. Good quality mixture at low cost. Allow 100 pounds or more per acre. **100 lbs. \$42.50, 1000 lbs. \$400.**



Photo: J. Cass

American and British Sailors grouped on the new lawn of the Bronxville School, Westchester County, N. Y. Grass Seeds supplied by Stumpp & Walter Co.

A Course of Treatment

THAT WILL EVENTUALLY GIVE YOU A GOOD LAWN UNDER ALMOST ALL CIRCUMSTANCES

Use **LAWNSPREAD.*** It Improves Lawns—Grubproofs Soil

A complete top-dressing in dry powder form—mixture of Plant-foods, Grass Seeds, and Lead Arsenate



The secret of the beautiful turf on golf courses is the frequent application of soil, humus, plant-foods, insecticides, and fungicides; and pure seed is sown. When you broadcast Lawnspread you achieve in one operation what these experts do in several.

LAWNSPREAD contains screened, sterile soil-materials, approved grass-foods, and high-quality grass seeds; in the mixture, also, are ingredients to deter earthworms, Japanese beetles, and grubs; others to protect against fungous diseases. There are no weed seeds in **Lawnspread**, and it is almost odorless. **Lawnspread** may be used wherever grass fertilizers would be applied, but it is a complete treatment, and better results may be looked for.

LAWNSPREAD is a dry powder packed in units containing one-half bushel and weighing 25 pounds. In a dry, cool place, **Lawnspread** may be stored up to four weeks without impairing the germination of the grass seeds contained in it.

DIRECTIONS FOR USING LAWNSPREAD

Broadcast evenly; rub the powder off the leaves with the back of a rake.

As a tonic for any lawn, use one unit on each 20 by 20 feet at any time. An ideal treatment is to make four applications a year—in March, April, September, and October. Use every month on crabgrass, grub-infested areas, or on brown-patch-infested lawns.

To renovate thin or bare turf, roughen the surface and broadcast one unit on each 10 by 20 feet. If necessary, repeat at intervals of a month until a perfect turf has been obtained.

LAWNSPREAD

Contains mixed seeds for open and shaded areas
1 to 10 bags, \$2.75 per bag
11 to 25 bags, 2.60 per bag
Over 25 bags, 2.50 per bag

SUPER-LAWNSPREAD

Contains Coos County Bent Seeds for home putting-greens
1 to 10 bags, \$3.25 per bag
11 to 25 bags, 3.10 per bag
Over 25 bags, 2.95 per bag

Lawnspread will not burn the grass, nor will it injure birds, cats, or dogs

*Trade-Mark Registered, Patent Pending

New Jersey Lawn Seed Formulas

These are prepared according to the most recent formulas published by the New Jersey Agricultural Experiment Station. They list only those grass varieties known to be suitable for producing excellent turf, and that may be used with every confidence anywhere in the United States, north of the Mason and Dixon line. Although the Experiment Station has established minimum percentages for purity and germination in the individual seeds, our customers will not be surprised to learn that our seeds used in these formulas run consistently and markedly higher than the Station's specifications. We request that this be borne in mind when prices are being considered.

Formula No. 1 (with Clover). Standard for lawns on fair to good soils. Lb. 80 cts., 2½ lbs. \$1.95, 5 lbs. \$3.75, 10 lbs. \$7, 25 lbs. \$17, 100 lbs. \$65.

Formula No. 1a (without Clover). Same basis as above, but without Clover. Lb. 80 cts., 2½ lbs. \$1.95, 5 lbs. \$3.75, 10 lbs. \$6.75, 25 lbs. \$16.50, 100 lbs. \$62.50.

Formula No. 2. For finest quality turf, containing a liberal percentage of Colonial Bent. Lb. 95 cts., 2½ lbs. \$2.30, 5 lbs. \$4.50, 10 lbs. \$8.75, 25 lbs. \$21, 100 lbs. \$80.

Formula No. 3. For shaded areas. Lb. 95 cts., 2½ lbs. \$2.30, 5 lbs. \$4.50, 10 lbs. \$8.75, 25 lbs. \$21, 100 lbs. \$80.

Formula No. 4. For poor, clayey, shaley, or sandy soils; and for lawns on terraces or steeply sloping land. Lb. \$1, 2½ lbs. \$2.40, 5 lbs. \$4.75, 10 lbs. \$9.25, 25 lbs. \$22.25, 100 lbs. \$85.



Broadcast Lawnspread and rub in with the back of a rake.

Turf in the South

Southern Lawn Grass Seed. From central Virginia south, the ordinary northern grasses will not thrive permanently, and good results are not likely to follow the use of the customary mixtures. As a result of an intimate knowledge of southern conditions we offer a special formula which we find is highly satisfactory. We advise that two seedings be made, one in spring and one in fall, allowing at each, one pound to every 20 by 20 feet. Lb. 65 cts., 2½ lbs. \$1.60, 5 lbs. \$3, 10 lbs. \$5.75, 25 lbs. \$13.50, 100 lbs. \$50.

BERMUDA GRASS. A strongly creeping, medium-fine grass for lawns and putting-greens south of Virginia. Lb. \$1.10, 10 lbs. \$10, 100 lbs. \$90.

BERMUDA GRASS, Hulled Seed. For speedier germination. Lb. \$1.45, 10 lbs. \$13.50, 100 lbs. \$125.

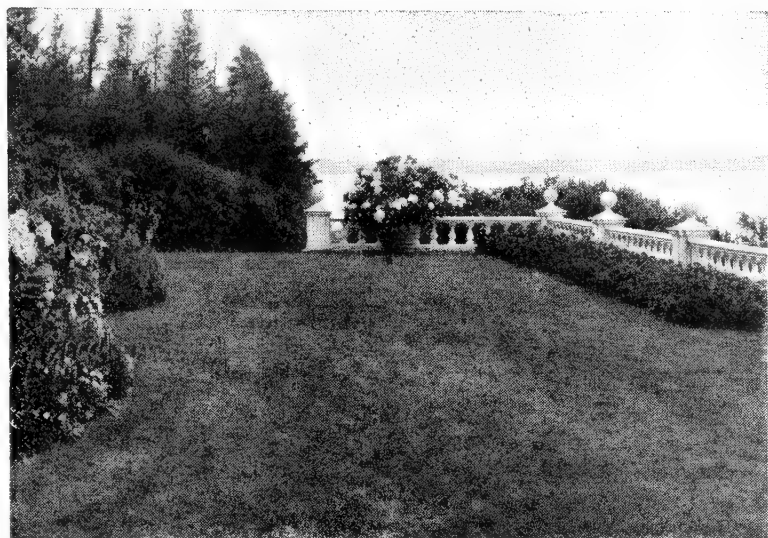
CARPET GRASS. Coarser than Bermuda Grass, but good on moist, sandy soils. For pastures and lawns. Lb. 90 cts., 10 lbs. \$8, 100 lbs. \$70.

FLAWN (*Zoysia matrella*). The new wonder grass for the South. It thrives on heat. Has a fine leaf, is vivid green, dwarf and requires very little cutting. Chinch-bugs usually do not attack it. For both shady and open lawns. May be used for bright green summer lawns in the North. Propagated from small runners. One block of Flawn sod will plant 50 square feet of lawn, requiring one year to fill in. Price \$9 per block (9 square feet), delivered.

INTEGRITY AS IMPORTANT AS EVER. The Experiment Station publishes the Formulas, but cannot endorse the mixtures. As always, you must depend upon the reputation of the supplier.



Southern Lawn Grass Seed for Lawns in the Southern States



Seashore Formula for Areas under the Influence of Salt Spray

Lawn Seeds for Unusual Situations

Seashore Mixture. Deep-rooting varieties that resist salt spray and high winds. **Lb. 85 cts.,** 2½ lbs. \$2.05, 5 lbs. \$4, 10 lbs. \$7.75, 25 lbs. \$18.50, 100 lbs. \$70.

Terrace Lawn Seeds. Produce strong, spreading, soil-binding roots. Where slope is severe, sow 1 quart of oats along with each pound of seeds; keep mown. **Lb. 90 cts.,** 2½ lbs. \$2.15, 5 lbs. \$4.25, 10 lbs. \$8, 25 lbs. \$19.50, 100 lbs. \$75.

Urban Formula. For turf in the city; resists the effects of shade, gasoline fumes and hard wear. Resulting lawn is deep green, but somewhat coarse. **Lb. 75 cts.,** 2½ lbs. \$1.80, 5 lbs. \$3.50, 10 lbs. \$6.75, 25 lbs. \$16, 100 lbs. \$60.

QUANTITY OF SEED TO USE

	Normal lawns on good soil; golf fairways, football and polo fields.	Lawns in unusual situations; golf greens, tees, bunkers; tennis courts and bowling greens.	Army camps, airports, race tracks; rough on a golf course.
	Lbs.	Lbs.	Lbs.
200 sq. ft.	1	1½-2	—
1000 sq. ft.	5	7½-10	—
Acre	200	250	100

Allow one-half above quantities when renovating. Use double for new turf needed quickly

Lawn Bowling

Bowling Green Formula. A mixture of fine Bent grasses. Standard dimensions of a bowling green are 120 by 120 feet. **Lb. \$1.65,** 5 lbs. \$7.75, 25 lbs. \$35, 100 lbs. \$130.

Lawn Tennis

West Side Tennis Formula. Grasses which may be mown closely, rolled continuously, and which will stand up well under localized wear. **Lb. 90 cts.,** 5 lbs. \$4.25, 25 lbs. \$19.50, 100 lbs. \$75.

Polo and Racing

Hurlingham Formula. Mixture used on the well-known English field, adapted to American conditions. **5 lbs. \$4, 25 lbs. \$17.50,** 100 lbs. \$65.

Racetrack Formula. Produces a turf which is tough, thick, dark green and vigorous. **100 lbs. \$45, 1000 lbs. \$425.**

Football

Touchdown Formula. Hard-wearing grasses properly proportioned. **5 lbs. \$4, 25 lbs. \$17.50, 100 lbs. \$65.**

Turf for Sports Golf Putting-Green Formulas

Standard Putting-Green Formula. Recommended for light, dry soils. This is a blend consisting of imported and domestic grass seeds of fine quality. The mixture includes the Bent grasses and Red Fescue. **Lb. \$1.15, 5 lbs. \$5.25, 25 lbs. \$22.50, 100 lbs. \$85.**

Special Putting-Green Bent Formula. Recommended for well-prepared, rich soils. This is a blend of grass seeds of the finest quality—all of the highest purity and strongest germination. We include in the formula an increased proportion of the Bents. **Lb. \$1.25, 5 lbs. \$5.75, 25 lbs. \$25, 100 lbs. \$95.**

Other Golf Formulas

Fairgreen Formula, Fine Quality. Recommended for light, dry soils. Under average conditions this mixture will produce an even, tough and lasting turf. **Lb. 75 cts., 5 lbs. \$3.50, 25 lbs. \$15, 100 lbs. \$52.50.**

Fairgreen Formula, Superfine Quality. For well-prepared, rich soils. Contains Bent, Chewing's Fescue, Kentucky Blue Grass, and Superfine Red-Top. **Lb. 95 cts., 5 lbs. \$4.50, 25 lbs. \$19, 100 lbs. \$70.**

Formula for Problem Fairways. Resists chinch-bug, drought, heat, and poor soil. **5 lbs. \$5, 25 lbs. \$21, 100 lbs. \$77.50.**

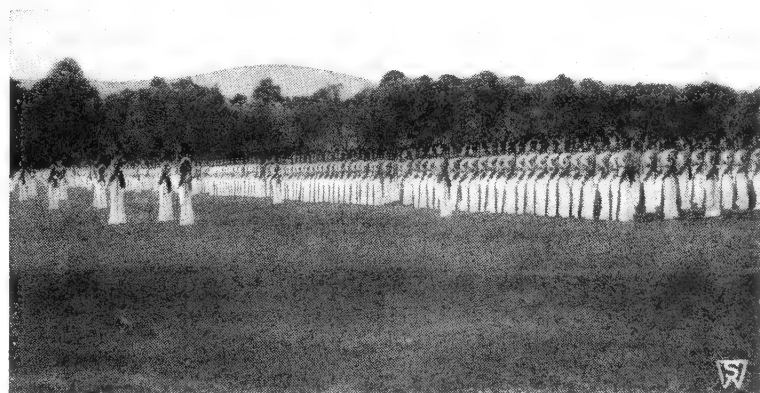
Formula for Irrigated Fairways. Gives wonderful results where it is possible to keep the soil moist under all conditions. **5 lbs. \$4.75, 25 lbs. \$20, 100 lbs. \$75.**

Tee Formula. **5 lbs. \$4, 25 lbs. \$16.50, 100 lbs. \$60.**

Rough Formula. **5 lbs. \$4, 25 lbs. \$16.50, 100 lbs. \$60.**

Divot Formula for Repairing Damage

A blend consisting of (a) permanent grasses suitable for sports fields, fairways and trees, with (b) seeds of the quickest growing plants of a temporary nature. The latter grow immediately, and in a day or two of favorable weather you cannot locate the divot; in the course of a few weeks, with cutting, the temporary plants disappear, leaving the permanent grasses, now established, in possession of the soil. **Lb. \$1, 5 lbs. \$4.75, 25 lbs. \$20, 100 lbs. \$75.**



Stumpp & Walter Co.'s Grass Seeds and Fertilizers are used on the Parade-Ground, Polo Field and Stadium at the U. S. Military Academy, West Point, N. Y.

Turf for Aviation

Airport Formula, Superfine Quality. A combination of turf-binding grasses that will produce a strong, densely matted turf. It gives a sward of a deep green color. **100 lbs. \$65, 1000 lbs. \$625.**

Airport Formula, Fine Quality. Gives a tough, wear-resistant turf, of a gray-green color. **100 lbs. \$47.50, 1000 lbs. \$450.**

We are prepared to mix grass seeds to suit your soil conditions, and to quote special prices on large quantities

HOW TO MAKE A LAWN

Dig the soil about 6 inches deep, but only when it is dry; if rain has fallen recently allow a few days of fine weather to elapse before commencing. As you dig, lift each clod high enough to enable you to turn it completely over. Strike the inverted clod with the back of the fork to break it. Remove all stones, sticks, and rubbish. Scatter *Emerald Grass Fertilizer on the dug earth; use 50 pounds to each 1000 square feet. Draw a rake back and forth until the soil is smooth and in fine condition.

Sow good lawn seed at the minimum rate of 1 pound (about $1\frac{1}{3}$ quarts) to each 200 square feet. Double the quantity for spring seeding and when turf is needed quickly. Select a day when no wind is blowing; divide the seed into two portions and sow the land twice to insure its even covering. When you have distributed the seed, rake the land once more, but very lightly. Do not work the rake back and forth—merely draw it toward you in a series of light strokes, raking only once in the same place so as to bury most of the grass seeds no more than $\frac{1}{8}$ inch deep.

Roll the seeded area, but should rain fall before the work is completed, defer the rolling until the land has dried or dispense with it altogether.

How about grub-proofing? Where Japanese beetles abound, impregnate the soil with bacteria of milky disease, which is fatal to them, by using *Sawco-Japy (1 lb. treats 4000 sq. ft.); or you may broadcast *Senoled at 25 pounds per 1000 square feet when the lawn is being made and use it annually thereafter. Senoled is a mixture of lead arsenate and plant-foods.

How long will the lawn be growing? Under very favorable conditions the young seedlings show through in less than ten days and the whole area looks green in a further two weeks; wait four weeks more before walking on the grass except to mow it.

When is the best time? Early spring and late summer are most favorable, while seed will do well on level ground if sown in winter. Watch for and remove crab grass from late spring sowings. Do not sow during hot weather.

Will the above directions hold on poor or sandy land? Before commencing work on poor soil, spread *Sawconure at the rate of 100 pounds to each 1000 square feet. Do not attempt to grow a lawn on excavated soil, subsoil, or "fill" without first applying Sawconure, digging, then adding at least 1 inch of top-soil. When preparing soil of this character, 1000 pounds of *Humus per 1000 square feet may also be used to advantage. In every case apply Emerald Grass Fertilizer as suggested above.

How about moist, sour soil? Spread *Pulverized Limestone on the dug-over land at the rate of 100 pounds to each 1000 square feet and rake in; wait a week and then follow directions. In bad cases it will be necessary first to drain the land by digging ditches and laying tile.

Should I sprinkle the new lawn? Yes, if seeding is followed by hot, dry weather. Otherwise it is best not to water for the first three weeks for fear of disturbing the seed. Later when the grass has started, the young lawn should never be allowed to become dry.

What after-care is needed? As soon as the young grass is 2 inches high, begin cutting it and keep it regularly mown; roll it occasionally, and water it during dry weather.

How about White Clover? We include Clover only in our "High Grade" Lawn Seed, Urban, and New Jersey Formulas 1 and 4. We omit it from all other mixtures, because Clover is often not liked nowadays in the finest lawns. For the convenience of our customers who wish it, we offer Superfine White Clover separately (see page 28). Mixed with grass seeds, the usual allowance of Clover is 5 per cent.

REJUVENATING A LAWN

LARGE-SCALE RENOVATING

First, mow closely and remove weeds. Then:

1. Scratch the surface with a rake.
2. Broadcast *Sawconure, 50 pounds per 1000 square feet, and *Emerald Grass Fertilizer, 25 pounds per 1000 square feet. At this time, spreading sufficient top-soil to make an even surface without hiding the grass, will be beneficial.
3. Rub with the back of the rake.
4. Sow good lawn seed, $2\frac{1}{2}$ pounds per 1000 square feet.
5. Again rub with the back of the rake. Grass must be dry; early spring and late summer are the most favorable seasons.

REPAIRING A LAWN

RENOVATING SMALL AREAS

Should your lawn fail in spots, if some areas are thin or bare, or when you cannot get grass to grow under trees:

1. Roughen the surface with a rake.
2. Apply *Lawnsread.

Perhaps deliverymen cut corners and wear a path in the turf; here again, *Lawnsread will help. This mixture of soil materials, plant-foods, insecticides, fungicides, and grass seed is described on page 32. Allow one unit to each 200 square feet and apply every month, from March to November, until the turf is perfect.

ROUTINE CARE OF YOUR LAWN

Mow twice a week, setting your machine so that it cuts the grass moderately long, especially during July and August. Do not remove clippings; if they are unsightly it shows that you do not cut often enough.

Water an established lawn only when it is needed, but give plenty during dry spells in July and August. Use an approved sprinkler and soak every three days. On established lawns watering is usually unnecessary in spring and fall.

Weeding. All soils contain seeds of weeds and many of them start to grow along with the grass; these, ordinarily, are not removed from a new lawn

at first, because mowing will kill most. Six weeks after the first cutting, however, take out whatever weeds may then be seen. It is important to dig deep down for dandelions and plantains, while for crab grass it is sufficient to cut the plant off at the ground-level. Fill all weed-holes with *Lawnsread.

Feeding. Spread *Emerald Grass Fertilizer every spring at the rate of 25 pounds per 1000 square feet, and *Sawconure, at 50 pounds per 1000 square feet, every late autumn. *Limestone every second winter, at the rate of 50 pounds per 1000 square feet, will be helpful in most sections.

The story of a good lawn



High Quality Flower Seeds

We mail Flower Seeds post-free anywhere in the United States

ABRONIA umbellata (Sand Verbena). *Annual*. Rosy pink; 9 in. Trailing plant, with flowers in clusters. Especially fragrant at night. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

ACONITUM Wilsoni (Monkshood). *Perennial*. Mid-blue; 6 ft. Handsome plant. Long spikes of helmet-shaped flowers until November. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.

ACROCLINIUM (Everlasting). *Annual*. Chaffy, double, daisy-like flowers, useful for dried bouquets. 20 in. Pkt. 20 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

AGAPANTHUS (Lily-of-the-Nile). *Conservatory Perennial*. Lily-like leaves, surmounted by a large cluster of blue flowers. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

AGATHEA coelestis (Blue Daisy). *Greenhouse Plant*. Tender perennial, with beautiful blue flowers 1 in. across. 3 ft. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. 75 cts.

AGERATUM (Floss Flower). *Annual*, with tassel-like clustered flowers. One of the best edging and bedding plants. Easily raised from seed, started early indoors and transferred to the open ground in May. Can also be sown outdoors in May.

Blue Bedder. Delightful midget, smothered with large, deep lavender-blue flowers. 4 in. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

Midget Blue. Miniature sort, excellent for edging, and a mass of azure-blue flowers. 4 in. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{8}$ oz. \$3.

Fairy Pink. Starting to bloom even when half grown. Soft salmon-rose. 5 in. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{8}$ oz. \$2.50.

Improved Blue Ball. Dwarf, compact, very uniform plants. Large rich blue flowers. 4 in. Pkt. 35 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

Blue Perfection. Deep blue flowers. Large enough for cutting. 6 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Little Dorrit, Blue. Bright blue; 6 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Little Dorrit, White. Pure white; 6 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

AGROSTEMMA coronaria (Rose Campion; Mullein-Pink; Dusty Miller). *Perennial*. Woolly leaves and stems, with 1-in. terminal five-petal flowers of brilliant crimson. 2½ ft. June to Sept. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

AMARANTHUS. *Annual*. Brilliant-foliaged plants, some bearing curious flowers.

Caudatus (Love-Lies-Bleeding). Blood-red; 4 ft. Drooping. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 50 cts.

Sunrise. Scarlet; 4 ft. Foliage bronzy crimson, each branch ending in a scarlet tuft. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. \$1.

Molten Fire. Scarlet; 4 ft. Bronze foliage tipped with a head of fiery scarlet. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. \$1.

Tricolor (Joseph's Coat). 2½ ft. Leaves red, yellow, and green. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

ANAGALLIS (Pimpernel). *Annual*. Splendid edging plant. It opens its flowers widest when fine weather is due and closes them tight as a storm warning.

Bluebird. Beautiful lobelia-blue; 10 in.

Terra-Cotta. Brilliant red hue; 10 in.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

SWEET ALYSSUM • Madwort

Popular annuals, ideal for edging. Sow in the open in spring where they are to flower, and thin or transplant to 6 inches apart. Or start them indoors and transfer to the garden.

White Carpet (*A. compactum*). *Annual*. White; 3 in. Flowers smother the plants. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25

Annual Yellow (*A. lutescens*). *Annual*. Pale yellow, fading to white. 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50.

Little Gem (*A. maritimum*). *Annual*. White; 6 in. Each plant covers a circle of 12 to 20 inches. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50.

Sweet Alyssum (*A. Benthami*). *Annual*. White; 9 in. Well-known fragrant variety. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.

Violet Queen. *Annual*. Dwarf, compact and free flowering. The clusters of small blossoms are fragrant and a rich, deep violet. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Saxatile compactum (Golden Rain). *Perennial*. Yellow; 15 in. Rock or border plant; bright yellow flowers from April to June. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Saxatile, Silver Queen. *Perennial*. Lemon; 15 in. Early-blooming; will be appreciated for its masses of the palest lemon flowers. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Perennial Rock Species, Mixed. Includes such varieties as Montanum, Rostratum, Corymbosum, Gemonense, etc. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.



Ageratum

ANEMONE (Windflower). *Perennial*. Types offered here are for growing under glass; they need winter protection outdoors.

Giant de Caen, Mixed. Giant French Anemone. 1 ft. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Blue Poppy. A fine, all-blue sort. 1 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

His Excellency. Scarlet-red. Fine. 1 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

St. Brigid, Creagh Castle Strain, Mixed. Great variety of colors. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

ANTHEMIS. *Perennial*. Scented foliage. **Kelwayi** (Marguerite). Large, yellow daisy flowers. 2 ft. July-Sept.

Tinctoria. Fine-cut foliage with 2-inch yellow flowers. 3 ft. June-Oct.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

Tinctoria Hybrids. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.

ARABIS alpina (Rock-Cress). *Perennial*. White; 1 ft. Spreading tufts flowering in April. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Alpina rosea. *Perennial*. Pink; 1 ft. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{4}$ oz. \$2.

ARENARIA montana (Sandwort). *Perennial*. 6 in. Trailing green carpet with small white flowers. Pkt. 35 cts., 3 pkts. \$1.

ANCHUSA (Alkanet). Striking hairy-leaved plants with funnel-shaped, large, myosotis-like flowers.

Italica, Dropmore Variety. *Perennial*. Gentian-blue flowers from July to September. Improved strain. 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Myosotidiflora. *Perennial*. Mass of blue flowers. 1½ ft. Pkt. 50 cts., 3 pkts. \$1.25.

Opal. *Perennial*. Beautiful plant, similar to Dropmore, but pale blue. 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Annual, Blue Bird. Dwarf, compact type, with vivid indigo-blue blossoms. Flowers two months after sowing. 1½ ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

ARCTOTIS (African Daisy). *Annual*. Whitish woolly leaves and daisy-like flowers.

Grandis. Lilac; 3 ft. Flowers are large, showy, white above, lilac-blue beneath. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Sawco Hybrids. 1 ft. Including: coppery rose, red, crimson, orange, gold, cream. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$1.50.

ARGEMONE mexicana (Prickly Poppy). *Annual*. Yellow shades; 2½ ft. Spiny foliage has a silvery midrib. Flowers are 3 inches across, yellow to creamy white. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Platyceras rosea (Crested Poppy). *Annual*. Ruby-rose; 2½ ft. Similar to the above. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

ARMERIA (Sea Pink; Thrift). *Perennial*. Useful and effective, tufted rock-garden plants with reed-like leaves and dense, ball-shaped flowers from June to August.

Formosa, Large-flowering Hybrids. Mixed colors; 16 in. Pink, red, carmine. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

ASCLEPIAS tuberosa (Butterfly Weed; Pleurisy Root; Orange Milkweed). *Perennial*. Showy clusters of orange flowers; 2½ ft. Pkt. 25 cts., 5 pkts. \$1.

ASPARAGUS plumosus nanus. *Greenhouse Plant*. For house or conservatory. Fine fern-like foliage; indispensable for use with cut-flowers. Pkt. 25 cts., 100 seeds 60 cts., 500 seeds \$2, 1000 seeds \$3.50.

Sprengeri. *Greenhouse Climber*. For hanging-baskets or table decoration. Leaflets 1 inch long. Pkt. 15 cts., 100 seeds 50 cts., 500 seeds \$1.50, 1000 seeds \$2.50.

AUBRIETIA (False Wall Cress). *Perennial*. Rock-plants, forming mats of foliage with blue flowers in spring and summer. 6 in.

Bougainvillea. Dark. **Græca**. Light **Large-flowering Hybrids, Mixed**. Wide color-range.

Above 3, each, pkt. 25 cts., 5 pkts. \$1.

BALLOON VINE (Love-in-a-Puff). *Annual Climber*. White; 8 ft. The inflated seed-vessels are interesting. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts.

BAPTISIA australis (False Indigo). *Perennial*. Blue; 3 ft. Deep green, cut foliage and lupine-like flowers. June, July. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

BOCCONIA cordata (Plume Poppy; Tree Celandine). *Perennial*. 5 ft. Effective as single specimens or in groups. Spikes of cream-colored flowers, 1 ft. long. June, July. Pkt. 25 cts., 5 pkts. \$1.

BRACHYCOME (Swan River Daisy or Annual Cineraria). *Annual*. 1½ ft. Dwarf plant covered with a profusion of flowers. Good for edging or borders. **Mixed**. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Rust-Resistant Outdoor Antirrhinums • Snapdragons

Annuals of simple culture with hooded florets on long spikes. Excellent border and bedding plants. Mass plantings make an excellent show, and for cutting they are ideal.

Maximum (Super-Giants) 3 ft.

For the back of your annual border.

Alaska. Pure white.

***Apple Blossom.** Light pink.

Campfire. Luminous scarlet.

***Canary Bird.** Canary-yellow, deeper lip.

Copper King. Burnished copper; gold lip.

***Copper Queen.** Bronze, blended old-gold.

***Crimson.** Deep crimson.

***Loveliness.** Soft rose-pink.

Swingtime. Large pink florets, each tipped bright yellow, and with a white throat.

Yellow Giant. Closely placed flowers on large trusses; color, the deepest yellow so far.

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50

COLLECTION: 5 varieties marked (*), \$1

Maximum, Mixed. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Majus or Tall. 2 1/2 ft.

For the middle distance of your annual border.

Reveille. Deep, luminous yellow with the upper lip toning to light lemon. May bear twenty spikes, 10 inches long, of very big florets. Pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2.

Rosalie. Topaz-rose with darker center and a golden flush over all. Pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2.

***Buttercup.** Canary-yellow.

***Daintiness.** Deep pink.

Harmony. Terra-cotta and rose.

Opal Queen. Combined pink, salmon and apricot; pale yellow tips.

***Pinkie.** Clear pink.

***Scarlet (Defiance).** Scarlet-red.

***Shasta.** Pure white.

Each, pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

COLLECTION: 5 varieties marked (*), 60 cts.

Majus, Mixed. Pkt. 10 cts., 1/8oz. 60 cts., 1/4oz. \$1.

BALSAM

Lady's Slipper

Annual. Pyramid-shaped plants with a single main stem bearing brilliant double flowers shaped like camellias. Showy flower-bed subjects.

White Perfection.

Scarlet King.

Salmon Queen.

Lilac Gem.

Chamois-Rose. Bright rose.

Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each, above 5 colors, 60 cts.

S. & W. Co.'s Double, Mixed. Self-colors, also spotted, blotched and striped varieties. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

BROWALLIA (Amethyst). **Annual.** Beautiful rich blue tubular flowers during summer and autumn. Blooms freely in winter if plants are lifted and cut back.

Sapphire. 10 in. Dark blue flowers, each with a white eye. Pkt. 25 cts., 5 pkts. \$1.



Antirrhinum

Antirrhinum Nanum

(Dwarf Plants.) 1 1/2 ft.

Amber and Gold. The color effect is one of terra-cotta; the tips of the pink-throated florets are golden and their hoods amber.

Du Barry. A new color—flaming rose-salmon, shaded with gold, a self-hue, except for a yellow spot on the lower lip.

Ruby. Heavy, solid spikes of the brightest carmine-crimson florets.

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50

***Antique Gold.** Shades of old-gold, copper, terra-cotta, fawn, and orange.

Apple Blossom. The first pink to be offered in this class that is resistant to rust.

***Carmine-Rose.** Carmine-rose; yellow lip.

***Glowing Sunset.** Lower half of blossoms velvety scarlet; upper half has a rose tinge.

Gypsy Girl. Carmine, with a golden nose; the tube is white.

***Indian Girl.** Brownish shiny orange, overlaid with yellow.

***Red Boy.** A brilliant flaming color.

***Wildfire.** Orange-scarlet; yellow lip.

Each, pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25

COLLECTION: 6 varieties marked (*), 75 cts.

Nanum grandiflorum, Mixed. Pkt. 10 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Midget Antirrhinum

Height 6 in. (Not Rustproof)

Rock Hybrids. Valuable for edgings and the rock-garden. Early, continuous. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

AQUILEGIA • Columbine

Perennial. Graceful spurred flowers, often two-colored, on long stems; spring. 2 1/2 ft.

Sawco Colossal. Outstanding mixture. The enormous flowers measure about 5 1/2 inches across and are exceptionally long-spurred. Pkt. 50 cts., 3 pkts. \$1.25, 1/8oz. \$2.

Long-spurred Columbines.

Copper Queen. Copper and straw colors.

Blue Shades

Pink Shades

Scarlet Shades

Mixed Shades

Above 5, each, pkt. 25 cts., 1/8oz. \$1.50, 1/4oz. \$2.50

Greenhouse Antirrhinums

Of Special Interest to Producing Florists

To obtain a succession of bloom, monthly sowings are usually made, starting in July.

Afterglow. Bronze. Pkt. \$1.

America. Brilliant rose-pink with orange lip, blending into pure lemon. Fine winter bloomer. Pkt. \$2.

Bertha Baur. Lavender. Pkt. \$1.

Bezdek's Yellow Wonder. One of the best yellows. Pkt. \$2.

Ceylon Court. Yellow. Pkt. 50 cts.

Cheviot Maid Supreme. Dark rose-pink. Pkt. 75 cts.

Cheviot Maid, Yellow. Long-stemmed; pure medium yellow. Pkt. \$1.

Christmas Cheer. Fine rose; midwinter. Heavy yielder. Pkt. \$1.50.

Ethel. Finest early golden yellow. Pkt. \$1.50.

Glorious. Bright scarlet-bronze. Early. Pkt. \$2.

Hodaly's Ideal. Sensational prize-winner. Carmine, shading to orange and lavender, tipped yellow; white throat. Pkt. \$2.

Jennie Schneider. Rose-pink. Pkt. 50 cts.

Klondyke Supreme. Very deep yellow. Early. Pkt. \$1.50.

Koster's White. One of the best and most popular pure white Snaps. Vigorous grower, producing long and strong stems. Pkt. \$2.

Lucky Strike. White. Pkt. \$1.

Marie Louise. Splendid shell-pink. Pkt. \$2.

Naomi. About 30 inches high; early, continuous bloomer. Clear rose-pink with a touch of yellow. A favorite with the commercial grower. Pkt. \$1.50.

Radiance. Large; deep rose-pink. Pkt. \$1.

Rose Queen. Pink. Pkt. \$1.

Schafforth's Early Pink. Bright color. Pkt. \$2.

St. Louis Early Pink. One of the best. Pkt. \$2.

Sun Tan. Tan-yellow. Pkt. 75 cts.

Talisman. Florets are semi-double and double, and their color is a combination of rose and golden bronze. Early. Pkt. \$2.

Terry's Surprise Improved. Rose, shaded bronze. Pkt. \$1.50.

Velvet Beauty. Fine rose-red. Pkt. \$1.

Westover's Fringed White. Fine pure white. Pkt. \$1.

White Rock. Pkt. 50 cts.

White Wonder. The finest pure white, with large, close spikes. 5 ft. Pkt. \$1.

THREE PACKETS OF A KIND

Three 50-ct. pkts. of any of above, \$1.25; three 75-ct. pkts., \$2; three \$1 pkts., \$2.50; three \$1.50 pkts., \$4; three \$2 pkts., \$5.

Californica hybrida. Yellow and orange. Pkt. 15 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Clematiflora. New type; flowers shaped like a clematis. Mixed colors, mostly pink and blue. 1 1/2 ft. Pkt. 75 cts., 3 pkts. \$2.

Crimson Star. Blood-red, center petals white. Pkt. 25 cts., 5 pkts. \$1.

Cerulea. Violet-blue and white; 2 ft. Pkt. 15 cts., 1/8oz. \$1.25, 1/4oz. \$2.

Longissima. Yellow; 2 1/2 ft. Spurs often 4 inches long. Pkt. 25 cts., 5 pkts. \$1.

Longissima Hybrids. Broad petals and long spurs. Colors are red, blue, white and rose. Pkt. 50 cts., 3 pkts. \$1.25.

Asters Resistant to Wilt

Annual. Asters should have an open, sunny position, and prefer a good, rich, loamy soil; do not grow them on the same ground two years in succession. Seeds may be started in a sunny window, hotbed or coldframe in March and transferred to the garden as soon as danger of frost has gone. May also be sown outside in May. Allow 1½ feet between plants.

All colors are now available in varieties that are highly wilt-resistant. They are not claimed to be entirely immune, however, although they are very robust and less likely to be affected than old-time sorts.

Aurora, Golden Sheaf. The deepest yellow Aster. The flowers are perfectly double, with a full, crest-like center. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Ball's White. Finest midseason white Aster. The flowers are 4 inches in diameter. Broad petals are slightly folded lengthwise. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

Blue Flame. Bright navy-blue. Large, Comet-like flowers, fully double. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Heart of France. The plants grow about 2 feet high and bear their large, rich deep ruby-red flowers on long strong stems. Pkt. 25 cts., ¼oz. 60 cts., ¼oz. \$1.

QUEEN OF THE MARKET. Well-known; early; branching habit. 1½ ft.

White	Scarlet
Crimson	Flesh-Pink
Dark Blue	Light Blue

Any of above colors, pkt. 15 cts.,
¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 6 colors, 75 cts.

EARLY ROYAL. (Branching Type.) Early-flowering form. July.

White	Purple
Lavender	Shell-Pink
Rose-Pink	Scarlet

Each color, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 6 colors, 75 cts.

IMPROVED CREGO, or OSTRICH-FEATHERED. (Comet Type.) Finest of the Comet Asters. Long-stemmed flowers are 5 inches across.

Orchid	Azure-Blue	Shell-Pink
Deep Rose		Crimson
Dark Blue		White

Any of above colors, pkt. 20 cts.,
¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

COLLECTION: Pkt. each, above 7 colors, \$1.25

PRINCESS. These are wonderful for cut-bloom. The handsome flowers have a bomb-shaped center, ringed with several tiers of ray-florets. 2 ft.

Princess Annie. Peach-blossom.

Princess Bonnie. Rose-salmon.

Princess Marsha. Cinnabar-scarlet.

Each, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

EARLY GIANT. The flowers are fully double, 4 to 5 in. across and are wonderful for room decoration. 2½ ft.

Peach Blossom. Lavender-pink.

Light Blue. Bright, light hue.

Rose Marie. Rose-color, bright and rich.

Above, each, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

COLLECTION: Pkt. each, above 3, 60 cts.

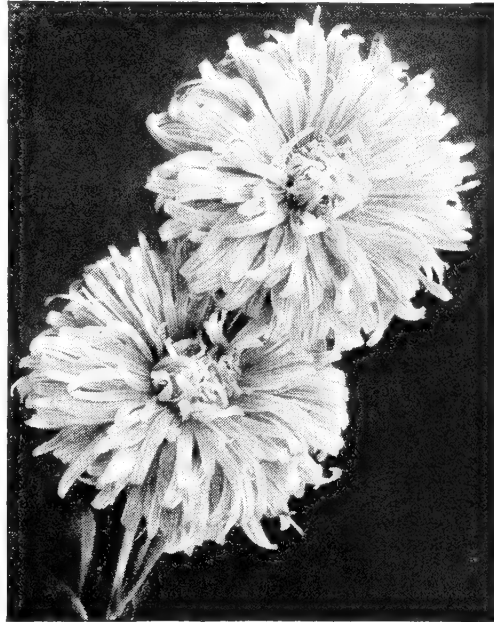
MIDSEASON GIANTS. Sturdy, upright plants produce flowers often measuring 6 inches in diameter and fully double.

Azure-Blue	Shell-Pink	Purple
Lilac	White	Rich Rose

Each color, pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, 6 colors, \$1



Asters, Midseason Giants

ASTERMUMS. New race of American-raised Asters selected from the Comet Type. The plants are of upright growth frequently having twelve to fifteen strong, sturdy stems, each carrying enormous flowers of splendid form, giving the impression of a large chrysanthemum.

Lavender	Rose-Pink
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Each color, pkt. 20 cts., ¼oz. \$1, oz. \$3.50

Mixed. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

COLLECTION: Pkt. each above 2 colors, 35 cts.

BEAUTY. This type comes into bloom in September and is at its best through October. The plants grow nearly 3 feet high and bear their very large, dense flowers on long stems.

Flesh-Pink	Deep Rose	White
Purple	Azure-Blue	Crimson

Each color, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 6 colors, \$1

LATE BRANCHING. The flowers are of extraordinary size and stand erect on long, graceful stems, well above the foliage.

Pure White	Purple
Shell-Pink	Crimson
Rose-Pink	Sensation (red)

Lavender

Each color, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 7 colors, 85 cts.

SINGLE COMET. Very decorative. Large blooms measure 5 to 6 inches across. In a choice blend of colors.

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Sunshine Aster

GIANT SUNSHINE. Not wilt-resistant. Individual blooms are enormous, 4 to 6 inches across, with cushiony center of tubular florets and rims of pointed out-guard florets. 3 ft.

Mixed Colors. Pkt. 25 cts., ¼oz. 60 cts., ¼oz. \$1.

Hardy Perennial Asters

Michaelmas Daisy; Starwort

These are readily grown from seed sown in spring or early summer to bloom next year.

Alpinus (Rock Aster). Large soft blue flowers. Good rock-garden plant. 9 in. May, June. Pkt. 35 cts., ¼oz. \$2, ¼oz. \$3.50.

Alpinus albus. White form of the above. 9 in. Pkt. 50 cts., 3 pkts. \$1.25.

Amellus, Sonia (Italian Aster). Pure bright pink. Awarded Certificate R.H.S., England. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

BEGONIAS

The following varieties of *Begonia semperflorens* and *B. gracilis* rank as bedding plants with geraniums and coleus, doing equally well in full sunlight, and surpassing both in shady positions. They grow about 1 foot high, and form dense bushes which, from May until frost, are hidden with flowers. As pot-plants they are a mass of bloom all year.

Semperflorens Type

Carmen. A dwarf Begonia growing not more than 15 inches high. The 1-inch flowers are clear pink and the foliage is a dark, shining green.

Coral Prize. Deep coral-pink self-colored flowers.

Indian Maid. Deep blackish brown foliage and brilliant orangy scarlet flowers about 1 inch in diameter.

Isle de France. Symmetrical plants are smothered under pure white flowers.

King of the Reds. Glowing scarlet. The green leaves are edged bronze.

Zabringer. Flowers 1½ to 2 inches across, rose-pink shading to white in center.

Above 6 sorts, pkt. 50 cts., 3 pkts. \$1.25,
6 pkts. \$2

Christmas Cheer. Plants covered with cherry-red flowers 2 inches in diameter. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$3.50.

Christmas Pink. The color is a beautiful shade of bright pink. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$3.50.

Gracilis Type

Luminosa. Brilliant dark scarlet. Pkt. 25 cts., 5 pkts. \$1.

Gracilis, Carmen. Clear pink. Foliage dark and shining. Pkt. 50 cts., 3 pkts. \$1.25.

Tuberous-rooted Begonias

Grow indoors and out (during summer).

Single, Mixed. **Double, Mixed.**

Each, pkt. 75 cts., 3 pkts. \$2

BELLIS (English Daisy). Familiar dwarf hardy perennial with bright double flowers. Excellent for edging spring flower-beds. Stands the winter if given protection. Sow in early summer to bloom the following year. Improved giant-flowering strain.

Mixed Colors. Pkt. 50 cts., 3 pkts. \$1.25

BOLTONIA latisquama (False Chamomile). Perennial. Lilac-pink; 5 ft. Resembling the wild aster. Daisy-like flowers July-Sept. Pkt. 25 cts., 5 pkts. \$1.

CALENDULA • Pot Marigold

Annuals. Yellow or orange daisy-like flowers. Sow in the open in spring, or earlier indoors and transplant. Grown under glass during winter. 2 feet.

Yellow Colossal. The largest in cultivation, with flowers $4\frac{1}{2}$ inches across, double and clear, very light, bright yellow. $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

New Double Art Shades. Pastel hues of cream, apricot, yellow, tangerine, etc. Suitable for both indoors and out. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Campfire (Sensation). The best forcing Calendula. The flat blooms are large, brilliant orange, with a scarlet sheen. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Radio. Globular flowers with quilled florets; warm, deep yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Chrysantha. Large, double, buttercup-yellow flowers, globe-shaped and with large, drooping chrysanthemum-like florets. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Orange Shaggy. Florets overlap and flower looks like a chrysanthemum. Deep orange. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Lemon Shaggy. Companion to the above. The color is a live lemon-yellow. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Orange Fantasy. Orange blooms are $3\frac{3}{4}$ inches across, with a center of mahogany-bronze. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Popular King Calendulas

Gold King Lemon King Orange King

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25

COLLECTION: Pkt. each, above 3, 35 cts.; $\frac{1}{4}$ oz. each of above 3, \$1

BALL'S STRAIN CALENDULAS

Ball's Orange Improved

Ball's Gold Improved **Ball's Apricot**

Ball's Masterpiece **Ball's Supreme**

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

Cut-Flower Mixture. All colors and types. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.



Calendula, Campfire

CAMPANULA • Bellflower

Canterbury Bells

Campanula Medium

Biennial. One-inch-wide bells on long spikes. Seed should be sown from June to September; when strong enough, transplant 9 inches apart; after frost has set in, protect with leaves and straw. They flower the following June, after which they die.

SINGLE

White Rose Light Blue
Dark Blue Mixed

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

Double Canterbury Bells. All colors mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Annual Canterbury Bells

If seeds are sown in gentle heat during February and March, and the seedlings planted out in the garden, the plants will bloom in September.

Wedding Bell. A new variety. Pure white.

Liberty Bell. Violet-blue.

Blue Bell. Beautiful Cambridge-blue.

Angelus Bell. Rose-pink.

Mission Bell. Clear pink.

Mixed.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75

COLLECTION: Pkt. each, above 5 varieties, 60c.

Cup-and-Saucer Bells

Campanula calycanthema

Biennial. Large, single flowers. Both calyx and corolla are colored, causing the flowers to resemble a cup and saucer.

White Rose Light Blue
Dark Blue Mixed

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

Perennial Campanulas

These are among our best border plants. Some will flower the first season from seed.

Carpatica. Blue. Largely used for edging. Flowers all summer. 6 in. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

Carpatica alba. White form of the above. 6 in. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

Persicifolia grandiflora (Peach Bells). Plant is a 3-ft. pyramid, with large bells. Pkt. 25 cts., $\frac{1}{8}$ oz. \$2.50, $\frac{1}{4}$ oz. \$4.

Persicifolia grandiflora alba. White form of the above. 3 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$2.50, $\frac{1}{4}$ oz. \$4.

Telham Beauty, White. Large white flowers. 4 ft. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{4}$ oz. \$3.50.

Wedgwood. In this improved *C. persicifolia* we have larger flowers of a richer, deeper violet-blue. 4 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Pyramidalis (Chimney Bellflower). Erect pyramidal plant with beautiful blue flowers. 4 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50.

Pyramidalis, White. Pkt. 25c., $\frac{1}{4}$ oz. \$1.50.

Rotundifolia, Olympica. An improved variety of Harebell or "Bluebells of Scotland." Light blue flowers all year; stands shade. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

CALCEOLARIA (Slipperwort). Greenhouse or Bedding Plant. Pouch-like flowers.

S. & W. Co.'s Giant Strain. Grown by an English specialist. Enormous blooms and the finest obtainable. For greenhouse growing. Pkt. 50 cts., 3 pkts. \$1.25.

Multiflora nana, Mixed. Ideal for bedding; small flowers in great profusion. All combinations of yellows, orange and brown. Pkt. 50 cts., 3 pkts. \$1.25.

CALLIOPSIS and COREOPSIS

Showy annuals and perennials. The long-stemmed flowers are mostly yellow and daisy-shaped, with a center tuft and broad ray-florets which are wide, fluted, and frequently notched on the outer margin. They are excellent for cut-bloom; gather them freely.

ANNUAL CALLIOPSIS

Gold Crest. Rich golden yellow, chestnut-brown center. 1 ft.

Crimson King. Crimson-garnet. 10 in.

Marmorata. Yellow and red. 2 ft.

Tiger Star. Rich reddish brown, striped golden yellow. 10 in.

Nigra speciosa. Reddish brown. 2 ft.

Bicolor nana. Yellow, garnet eye. 10 in.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each 6 varieties, 75 cts.

S. & W. Co.'s Mixture. A selection of tall varieties. 2 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Golden Crown. A mixture of gold and orange types; many have double florets. Excellent for cut-bloom; fragrant. 2 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

PERENNIAL COREOPSIS

Grandiflora, Double Sunburst. Brilliant deep golden yellow flowers, 80 per cent of them fully double and $3\frac{1}{4}$ inches across. Ideal for room decoration. 2 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Mayfield Giant. More vigorous than the type; larger flowers on longer stems. The color is more intense yellow. $3\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

CANDYTUFT • Iberis

Popular fragrant plant, with bright flowers in flat clusters, for bedding or border work. Sow outdoors in April and thin to 9 inches. Sow also in July for fall.

Giant Hyacinth-flowered. Flowers large, white, borne in big trusses well above the foliage. For cutting or the border. $1\frac{1}{4}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

The Gem. A miniature form of the above. Trusses of large white flowers are pushed above the plant, which is only 4 inches high. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Mammoth-flowered Candytuft

Large-flowered but uniformly dwarf type, suitable for edging, bedding, and for growth in the annual border. 10 in.

Carmine White **Rose-Cardinal Crimson** **Lavender Flesh-Pink**

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, above 6 colors, 50c.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Perennial Candytuft

Evergreen and 1 ft. high.

Gibraltarica. White, shaded pink and light purple. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

CARDINAL CLIMBER (Star Glory; *Ipomæa Quamoclit cardinalis*). A rapid-growing, half-hardy annual climber, often reaching 30 feet. Fern-like foliage and cardinal-red flowers $1\frac{1}{2}$ inches across are borne in clusters. Sow seeds indoors during April or outdoors in May. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

CARNATIONS

Annual Varieties

ENFANT DE NICE. Of upright habit, with flowers $2\frac{1}{2}$ to 3 inches in diameter on long stems. Colors come about 75% true from seed, and the plants are about 90% double.

Red Salmon White
Rose Striped Mixed

Each, pkt. 50 cts., 3 pkts. \$1.25

GIANT DOUBLE KING. Sow outdoors in spring, or earlier indoors. Plant out the seedlings 6 inches apart, and you will have Carnations that are full, sweetly perfumed and medium large. Remove side-buds and allow one flower to a stem.

Maroon King Red King White King
Rose King Pink King Yellow King
Mixed, All Colors

Each, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50

COLLECTION: Pkt. each, above 6 colors, \$1

Perennial Varieties

Dwarf Grenadin. An early type of Carnation with large flowers. If sown early, they bloom the first year. 14 inches.

Yellow White Scarlet
Rose Queen Mixed

Each, pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{4}$ oz. \$2

Perpetual Border. Combine the hardiness shape and beauty of the Border Carnation with the continued flowering of the Perpetual Carnation. Bloom all summer. Mixed. An English strain. Pkt. 75 cts.

Hardy Cottage. Older perennial sorts crossed with modern types; need no staking. Large, double, fragrant flowers in all colors, bloom all summer. Developed by English specialists. Pkt. 75 cts.

CASTOR-BEAN (*Ricinus*; *Palma Christi*). Annual. Tall, stately growing, tender plants of tropical appearance. Oil is expressed from the curious beetle-like seeds.

Borboniensis arboreus. Green. 15 ft.

Communis. Green foliage. 6 ft.

Sanguineus. Tricolor, red spotted. 10 ft.

Zanzibarensis. Green leaves; white veins.

Each, pkt. 10 cts., oz. 25 cts.

Mixed. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

CATANANCHE cærulea (Cupid's Dart). Perennial. Clusters of daisy-like, chaffy everlasting blue flowers. Blooms same year if sown early. 3 ft. Pkt. 15 cts., 2 pkts. 25 cts.

CELOSIA CRISTATA (Cockscomb). Brilliant annuals with flowers in tight clusters. For beds, borders and suitable for pots. Sow indoors in early spring and plant out or sow outdoors in May. $1\frac{1}{2}$ to $2\frac{1}{2}$ ft.

Empress. Rich crimson.

Glasgow Prize. Dark crimson.

Golden Yellow. Rose.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. \$1

Dwarf, Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts.

Miracle, Mixed. Enormous flowers. Brilliant reds, from dark crimson to scarlet; salmon, bronze, gold through purple to pink and white. $2\frac{1}{2}$ ft.

Royal Velvet. Produces a large-centered crimson flower, surrounded by smaller clusters on basal branches. 2 ft.

Above two, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts.

CELOSIA Childsi (Chinese Woolflower). Unique form. Branches end in large flower-heads that seem to be made of silk or wool. For beds, borders, or cut-flowers. Crimson Pink Yellow Mixed

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50



Celosia plumosa

CELOSIA PLUMOSA

Feathered Cockscomb

Fine for large beds or groups. The flowers are plume-like; they can be dried for winter bouquets. Following are 2 feet high.

Crimson Yellow Mixed

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Fiery Feather. Red and pink shades.

Golden Feather. Yellow.

Superba. Great fluffy plumes in brilliant and varied colors. Giant type. 3 ft.

Each, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50

Thompsoni magnifica, Improved Strain, Mixed. Of pyramidal growth with graceful feathery plumes; magnificent shades. $2\frac{1}{2}$ ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts.

CELOSIA pyramidalis, Pride of Castle

Gould, Mixed. The compact, pyramidal plants produce immense feathered heads of all colors—blood-red, wine-red, scarlet, carmine, salmon, orange and gold. Distinct variety. 2 to 3 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

CENTAUREA Cyanus (Cornflower; Blue Bottle; Bachelor's Button; Bluet; Ragged Sailor). Annual. Sown outdoors in April, and at intervals later for a succession of bloom. Let stand 8 inches apart. 3 ft.

Blue Boy. Red Boy. Deep red.

Black Boy. Maroon. **Snow Man.** White.

Pinkie. Rose. Mixed.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

COLLECTION: Pkt. each, 5 colors, 35 cts.

Jubilee Gem. Double flowers of brightest blue literally cover the plant. Suitable both for outdoors and greenhouse culture. 1 ft.

Lilac Lady. Beautiful lilac; a charming cut-flower.

Above 2, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

CENTAUREA imperialis (Giant Sweet Sultan). Annual. Valuable for cutting. Beautiful, sweet-scented fluffy flowers on long, strong stems. Sow for succession from May to July. $2\frac{1}{2}$ ft.

White, Pink, Purple, Lilac, Red, Yellow Mixed. A select mixture of above colors.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

COLLECTION: Pkt. each, above 6 colors, 75c.

Lavender Beauty. Light lavender. A new Imperialis variety with flowers 3 to $3\frac{1}{2}$ inches across. $1\frac{1}{2}$ to 2 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

CHRYSANTHEMUMS

(Annual Types). Mostly single, daisy-like flowers with a colored ring at the base of the florets and a purple center. Average height 2 ft. July-Oct. See illustration on page 42.

Eldorado. Large, single, deep yellow flowers with a ring of reddish brown.

Burridgeanum (Beaconsfield). White petals, zone of rich brownish red and yellow.

Chameleon. The colors vary, but generally are brown and yellow.

Eastern Star. Yellow petals with dark disc.

Evening Star. Deeper petals, dark disc.

Morning Star. Petals canary-yellow, with a halo of deeper yellow, disc darker.

Northern Star. Flowers 3 inches in diameter; white, with yellow-brown center.

The Sultan. Rich wallflower-red with a narrow yellow zone around the brown disc.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, above 8 colors, \$1.

Golden Crown. Fine deep yellow fully double flowers. Ideal for cut-bloom. 3 to 4 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

White Queen. White. Double flowers. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Mixed Annual Chrysanthemums

Single Double

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

Perennial Chrysanthemums

Mawi. Pink flowers 2 inches across with silvery foliage. Ideal for the hardy border or rockery. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Korean, Mixed. 2 ft. Single brilliantly colored flowers; many large. Pkt. 50 cts.

September Jewels. Sown early, blooms in September of the same year. Daisy-like flowers $2\frac{1}{2}$ inches across. Yellows, pinks, lilacs, bronzes, reds and others. $1\frac{1}{2}$ ft. Pkt. 60 cts.

White Shasta Daisies

Mrs. C. Lothian Bell. Flowers often 6 inches across. A month later than Alaska; plant both for succession. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Alaska. Popular variety with flowers frequently 5 inches across; white, with broad, overlapping petals. Pkt. 15 cts., $\frac{1}{4}$ oz. 50c.

Dwarf Avalanche. A low-growing white Daisy for the front of the hardy border. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.

Giant Double. An assortment of doubles, semi-doubles, and singles; some with lacinated, curled, and quilled white florets. Pkt. 50 cts., 3 pkts. \$1.25.

Other Centaureas

Americana (Basket Flower). Annual. Deep lavender, blooms up to 4 inches in diameter. Striking and attractive subject for the annual border, and excellent for cutting. 4 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Americana alba. Annual. White form of the above. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Macrocephala. Perennial. Large golden flowers, useful for cutting. July, Aug. 3 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Dusty Millers (*Centaurea*)

Perennials treated as annuals. Foliage plants for edging. White-green leaves contrast strikingly with other plants.

Candidissima. Leaves lanced and silvery. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Gymnocarpa. Fern-like leaves, and taller. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

CERASTIUM tomentosum (Snow-in-Summer). Perennial. White; 9 in. Dwarf, creeping white-leaved edging plant. Small flowers. Pkt. 15 cts., 1/4oz. \$1, oz. \$3.

CHEIRANTHUS. Hardy, blooms first year. **Allioni** (Siberian Wallflower). For the rock-garden or border. Orange flowers in May and June. Sow indoors in March and plant out in May; or in the open in September, to flower next spring. 1 1/2 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Allioni, Golden Bedder. Deep yellow flowers larger than the type. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

CHELONE barbata (Turtlehead). Perennial. For the hardy border; the long panicles which bear the small two-lipped red tubular florets are good for cutting. 3 ft. Pkt. 15 cts., 1/4oz. 75 cts.

COBÆA (Cup-and-Saucer Vine). Annual Climber. A rapid grower, attaining a height of 30 to 50 feet during the season. Start the seed indoors in March or outdoors in May. **Scandens.** Large bell-shaped purple flowers. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25. **Scandens alba.** White flowers. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

COLEUS, Rainbow Hybrids, Mixed. Conservatory or bedding foliage plant. Leaves of all colors. Pkt. 50 cts., 3 pkts. \$1.25.

CONVOLVULUS. See *Ipomœa*.

CORAL FLOWER. Half-hardy Annual. Easily grown plant with fleshy leaves and clusters of star-shaped flowers. The seed-capsules which follow look like polished coral beads. Pkt. 35 cts., 3 pkts. \$1.

CINERARIA. Greenhouse Annual. Daisy-like blooms in brilliant colors are produced in great profusion. Sow May-Sept. Transfer direct from seed-pans to thumb-pots; place in coldframe. As pots become full of roots, shift to larger ones until flowering size is reached.

Cramer's Prize Strain. Flowers are large and color-range exceptionally fine. The florets are wide, and they overlap well to form attractive heads. Smaller leaves than those of the old type. Exceptionally resistant to wilt. Pkt. \$1.50, 3 pkts. \$4.

California Super-Giants, Mixed. Prize Cinerarias, grown for us by a famous specialist. Produce numerous individual flowers, exceeding 5 inches in diameter, with florets 1 to 1 1/2 in. wide. Pkt. 50 cts., 3 pkts. \$1.25.

S. & W. Co.'s Stellata, Mixed. Delicate, star-like blooms on long stems. Tall plants. Pkt. 50 cts., 3 pkts. \$1.25.

Multiflora nana, Potsdam, Mixed. Extra-choice, dwarf strain. Plants completely covered with brightly colored flowers. Pkt. 50 cts., 3 pkts. \$1.25.

CLARKIA. Annuals, needing sun, with showy flowers in leafy spikes. For the border or bed. Useful greenhouse plant also. 1 1/2 ft. **Albatross.** The flowers are pure white, very double, and appear in July. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Glorious. Dark foliage capped by brilliant cherry-scarlet blossoms. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

May Blossom. Pure glowing rose, deepening to pink. Enormous blossoms. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Double Sorts

Salmon Queen. **Scarlet King.**
Brilliant King. **Crimson.** **White King.**
Purple King.

Each, pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Charming Cosmos

Annual. Cosmos is one of the most decorative of our garden flowers, and is of great value for cut-bloom. Sow about May 1, outdoors, covering the seed 1/4 inch, and thin out or transplant to not less than 1 1/2 feet apart. Sow under glass in April or May for earlier bloom.

Early Orange Flare. Orange flowers with light green foliage. The stems are long and wiry, well adapted for cutting. 3 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Yellow Klondyke. Lighter in color and a fitting companion to Early Orange Flare. The butter-yellow of the flowers and their exceptionally long stems, make them highly valuable. Blooms are 1 3/4 inches across. 3 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Orange Ruffles. Large, golden, semi-double blooms have extra rows of florets. Earlier than, and not quite so tall as Orange Flare. 2 1/2 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Early Express Type

A modern quick-growing strain that reaches a height of about 2 1/2 feet and bears fine large flowers on long stems within 45 days of sowing seed.

Crimson Express **Pink Express**
White Express **Mixed Express**

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

COLLECTION 4: Pkt. each, above 3 colors, with Early Orange Flare, 50 cts.

Sensation Type

A new, early, large Cosmos. Its mammoth flowers are 4 to 5 inches across, with wide, fluted florets. Flowers in 10 weeks from seed. 4 ft.

Pinkie (pink) **Purity (white)**
Crimson Sensation

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, 3 colors, 35 cts.

Dazzler. The giant flowers are 4 or more inches across; because Dazzler is a member of the Sensation group, they appear early, when the plants are but 30 inches high, but continue as an ultimate 5 to 6 feet is attained by autumn. Somewhat taller than others in the group, but equally quick to bloom. The color is a rich deep amaranth-crimson. Won a high place in the All-America Seed Trials for 1943. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Sensation, Single, Mixed. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

DOUBLE SENSATION. Surprisingly quick to bloom. The flowers are 4 1/2 inches across, appearing in about ten weeks.

Pink Lady. Two double forms occur in this: one fluted and medium pink; the other crested, somewhat lighter.

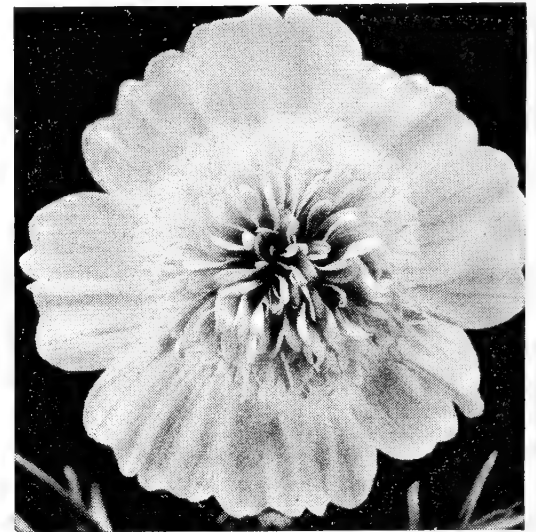
White Cloud. Beautiful, soft, velvety white.

Above 2 varieties, pkt. 50 cts., 3 pkts. \$1.25

Sensation, Double, Mixed. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$1.50, 1/4oz. \$2.50.

CLEOME, Pink Queen (Spider Flower). Annual. The bush-like plants are excellent for the middle distance of a mixed border or to line a driveway. Light, airy flowers are a pleasing salmon-pink color changing to white as they mature. 3 to 4 ft. Pkt. 20 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Golden. A new yellow-blooming type. 3 to 4 ft. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$1.50.



Cosmos, Crested

Early Dwarf Crested Cosmos

The Extra-early Double strain of Cosmos has been very much improved in this crested type. Flowers are large, and they come into bloom as quickly as the Early Single sorts.

Pink Beauty **Crimson Beauty**
White Beauty **Mixed Beauty**

Each, pkt. 25 cts., 1/4oz. \$1, oz. \$3.50

COLLECTION: Pkt. each, 3 colors, 60c.

Late Single Tall Cosmos

This type of Cosmos, which has mammoth flowers, blooms late in the summer.

Pink **White** **Crimson** **Mixed**

Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, 3 colors, 25c.

Late Double Tall Type

This strain has been greatly improved in size of flower and general vigor.

Pink **White** **Crimson** **Mixed**

Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each, above 3 colors, 30c.

LADY LENOX COSMOS. Big blooms. 3 ft.

Lady Lenox. Deep rosy pink.

Lady Lenox, White. Pure white form.

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

CUPHEA, Firefly (Cigar Plant). Treat as an Annual. Pretty half-hardy subject for beds, baskets and window-boxes. Plants are covered with small tubular flowers that are cerise-red; each has a darker band near its end and an ash-white tip. They appear twelve weeks after seeding. 1 ft. Pkt. 15 cts., 1/8oz. 50 cts., 1/4oz. 75 cts.

Dwarf Hybrids. Various shades of rose, pink, scarlet and near purple. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

CYCLAMEN (Giant-flowering). Greenhouse plant's. Following developed by one of the greatest European specialists. Seed is usually sown in the autumn.

Bright Red **Pure Rose** **Pure White**
Salmon-Scarlet (America Improved).

Salmon-Rose Improved.

Salmon color, dark (Glory of Wandsbek).

Salmon color, light (Rose of Zehlendorf).

Lavender.

New Ruffled, Mixed.

Pink Pearl. Salmon-pink.

10 seeds 75 cts., 50 seeds \$3.50, 100 seeds \$6
Mixed. All varieties. Pkt. of 10 seeds 50 cts., 50 seeds \$2, 100 seeds \$3.50.

ASTER Heart of France

Beautiful, large
ruby-red flowers
are borne on long,
strong stems; ideal
for room decora-
tion. 2 ft.

Pkt. 25 cts., 1/8oz.
60 cts., 1/4oz. \$1



Charming ASTERS

Wilt-Resistant MIDSEASON GIANTS

The best Aster in cultivation. Sturdy, upright plants produce giant flowers often measuring 6 inches in diameter, fully double, and of great substance on long stems. For effect in the garden and for cut-bloom they are unsurpassed.

Azure-Blue
Shell-Pink

White
Rich Rose

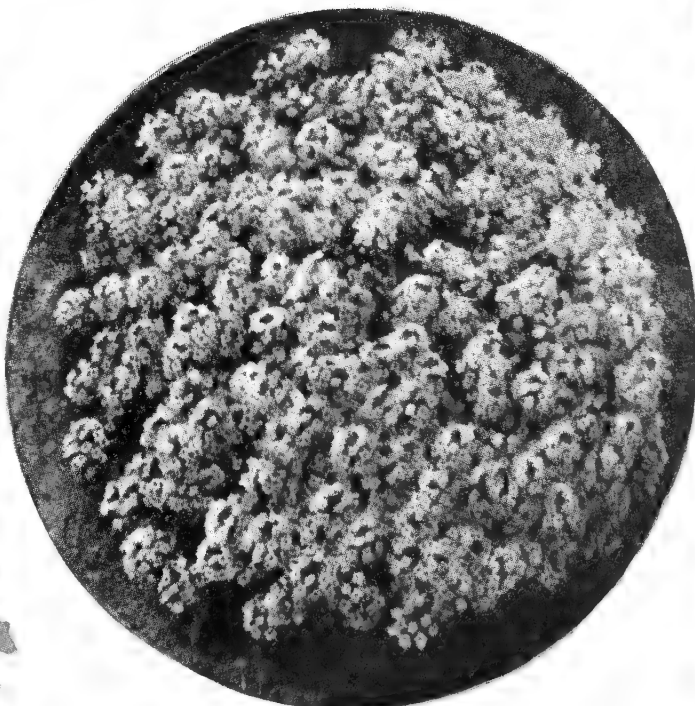
Lilac
Purple

Each, pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50

COLLECTION: 6 pkts., one each
of the above . . \$1



ASTER, Midseason Giants



ALYSSUM Clusters of deep violet-blue flowers all summer.
Violet Queen Excellent for edging. Flowers have a delightful
perfume. 6 in. Pkt. 15c., 1/4oz. 75c., oz. \$2.50.

Super-Giant SNAPDRAGONS

Superior in length of spike and size of blooms; their clean, healthy foliage is free from rust. The plants attain the height of 3 feet under good cultivation, are base-branching, having 8 to 15 spikes to the plant.

Apple Blossom. Light pink.

Canary Bird. Canary-yellow, deeper lip.

Copper Queen. Bronze, blended old-gold.

Crimson. Deep crimson.

Loveliness. Soft rose-pink.

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50

Collection: 5 pkts., one each
of above. . . \$1

Maximum, Mixed. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Rust-
Resistant
**SUPER-GIANT
SNAPDRAGON**



CLEOME (Spider Flower) Pink Queen
Color changes to near-white as flowers mature.
3 to 4 ft. Pkt. 20 cts., 1/4oz. 60 cts., 1/4oz. \$1.



COSMOS, SENSATION

ANNUAL CHRYSANTHEMUMS

SINGLE, MIXED

Each daisy-like flower has a colored ring, and the center is usually purple. Handsome in flowerbeds, and excellent for cutting, they bloom from July to October. Average 2 ft.

Pkt. 15 cts.,
1/4oz. 50 cts.,
oz. \$1.50.



ANNUAL CHRYSANTHEMUMS

Here Are 5 Delightful Annuals

COSMOS, Sensation

New summer-blooming variety

A charming cut-flower. Mammoth blooms are 4 to 5 inches across, have wide florets, and they appear in only ten weeks from seed, continuing until frost. Sturdy plants grow 4 feet high.

PINKIE (pink) PURITY (white)
CRIMSON SENSATION

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

COLLECTION:

One pkt. each of 3 colors, 35 cts.

CELOSIA, Royal Velvet

A Cockscomb which produces a large-centered crimson flower, surrounded by smaller clusters on basal branches. 2 ft. Pkt. 15 cts., 1/4oz. 50 cts., 1/4oz. 85 cts.

CORNFLOWER, Jubilee Gem

Beautiful double blue flowers cover the plant. Striking in the garden, it is suitable also for the greenhouse. Height, 12 inches. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

ACROCLINIUM, Double Hybrids

One of the Everlastings or Strawflowers. Blooms retain their shape and color for many months when dried; each is on an 18-inch stem. Valuable for winter bouquets. You start cutting a few weeks after sowing seed in the open. Pkt. 20 cts., 1/4oz. 60 cts., oz. \$2.



ACROCLINIUM, DOUBLE HYBRIDS



CORNFLOWER, JUBILEE GEM



CELOSIA, ROYAL VELVET

Stately Delphiniums

Mostly exceeding 6 feet, these striking perennials produce magnificent flower spikes in July and August; cut them down after blooming for a second growth in fall. Many treat as an annual, sowing under glass in midwinter.

GOLD MEDAL HYBRIDS, Mixed. Immense spikes, and the best colors. Recommended to the specialist. Pkt. 35 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

Giant Pacific Hybrids

Larger, finer, and mildew-resistant (except white). 2-inch florets on large spikes.

Black Knight Series. Very dark blues.

Cameliard Series. Lavender selfs.

Galahad Series. White.

Above 3, each, pkt. \$1.50, 3 pkts. \$4

Blue Jay. Blue, gray overtone; dark bee.

Clear White. Glistening white.

Guinevere Series. Pink-lavender; white bee.

King Arthur. Royal violet; white bee.

Summer Skies. Light blue; white bee.

Round Table Series. Noble mixture.

Above 6, each, pkt. \$1, 3 pkts. \$2.50

Lavender Shades **Light Violet Shades**
Lavender Pastel **Dark Violet Shades**
Shades

Above 4, each, pkt. 75 cts., 3 pkts. \$2

Light Blue Shades **Medium Blue Shades**

Dark Blue Shades **Mixture of Blues**

Above 4, each, pkt. 50 cts., 3 pkts. \$1.25



Jewel-Like Dianthus • Pinks

Sow annuals in spring, hardy kinds in spring or summer. Annuals bloom in a few weeks, most hardy sorts flower same year.

Double Annual Pinks

Chinensis (China Pink). Double flowers in a mixture of colors. Pkt. 10c., $\frac{1}{4}$ oz. 50c.

Diadematus (Diadem Pink). Various tints of lilac, crimson, purple; outer edges fringed. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Fireball. Extra double; brilliant dark scarlet. Very beautiful. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Heddewigi fl.-pl. (Double Oriental Pink). Varies from richest crimson to delicate rose. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Laciniatus fl.-pl. (Double Fringed Pink). Great variety of colors; edges fringed. Large. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts.

Lucifer. Dazzling scarlet 2-inch fringed flowers. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Snowball. Large, double, white flowers. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Violet Queen. Rich violet—rather unusual shade. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

CYNOGLOSSUM (Chinese Forget-me-not; Hound's Tongue). Annual. Perfumed plant; myosotis-like flowers.

Firmament. Large; indigo-blue. Pink.

Above 2, each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

Single Annual Pinks

Crimson Belle. Rich crimson. 1 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Eastern Queen. Delicately marbled rose and mauve flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 50c.

Heddewigi punctatus (Princess Pink). Chintz-like flowers in mixed colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Laciniatus (Single Fringed Pink). A great variety of colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Laciniatus splendens. Fringed crimson flowers, each with a large white eye. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Laciniatus, Gaiety. Large, fringed. Wide range of colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Vesuvius. Orange-scarlet flowers. Striking in beds or borders. Pkt. 10c., $\frac{1}{4}$ oz. 50c.

Mixed Annual Pinks. Single and double. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

CYPRESS VINE (*Ipomœa Quamoclit*). Annual Climber. Fern-like foliage and masses of star-shaped $1\frac{1}{2}$ -inch flowers. Soak seed in water for a few hours before sowing in May. 15 ft. Mixed. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.



Delphinium, Gold Medal Hybrids

Hardy Garden Pinks

New Blue. The only blue *Dianthus* extant. Lavender-blue, bright and pleasing. The individual flowers are borne on 9-inch trusses from July to frost. Pkt. 50 cts.

Allwoodi. Combines the Carnation with the delicious clove scent of the Pink. Single Mixed. Pkt. 50 cts., 3 pkts. \$1.25.

Allwoodi Alpinus. Ideal for the rock-garden, blooming continuously; beautiful color mixture. Fragrant. 5 in. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$1.50.

Delight. Blooms June to October, producing flowers half an inch across. Colors range from pale pink to deepest purple including rich red. 9 in. Pkt. 50 cts.

Loveliness. Two-inch, perfumed, mauve, laced flowers. Sweetest flower grown. Blooms in seven months. Pkt. 50 cts.

Rainbow Loveliness. This mixture has flowers in various delicate tones other than mauve, including pink, red, lilac, cream and white. Pkt. 50 cts.

Highland Hybrids, Mixed. Ideal for rock-gardens. Practically perpetual flowering and the colors are very varied. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

Sweet Wivelsfield. Ordinarily sown in July to flower the following summer; but if sown indoors during February, will bloom the same year. Fringed, sweet-william-like flowers from July to frost. Mixed.

Single. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Double. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.25, oz. \$4.

Little Jock. A mixture of pink, rose, and white shades, mostly with a deep zone. Suitable for the rock-garden or as an edging. 6 to 8 in. Pkt. 50 cts., 3 pkts. \$1.25.

Deltoides (Maiden Pink; Spink). Rosy purple flowers. Ideal for the rock-garden. 6 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Knappi (Yellow Dianthus). Yellow blossoms in bunches; not fragrant. 20 in. Pkt. 50 cts., 3 pkts. \$1.25.

Plumarius, Double Mixed (Grass Pink). Fringed, fragrant flowers of white, crimson, or purple shades, spotted and variegated. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Plumarius, Single Mixed. Fragrant, fringed flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Rock-Garden Rare Species, Mixed. A selection of low-growing types, suitable for the rock- or wall-garden. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

DAHLIAS FROM SEED

Tender Perennial; treat as an Annual. Ideal for cutting, and they make striking flowerbeds. Sow in March indoors and plant out, or sow seed outdoors in May. Bloom in four months or less.

Dwarf Types (1½ to 3 ft.)

Miniature Types, Mixed. Mixture comprises varieties of outstanding merit; fine colors. Pkt. 50 cts., 3 pkts. \$1.25, ¼oz. \$2, ¼oz. \$3.50.

Dwarf Bedding, Mixed. Charming color-range; no two are alike; double and semi-double flowers. Pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.50, oz. \$5.

Coltness Hybrids. Neat compact plants with single flowers.

Scarlet White Yellow Mixed
Each, pkt. 25 cts., ¼oz. 60 cts., ¼oz. \$1

Starfish (Orchid-flowered). Florets are crimped and twisted, giving a star-like effect. All colors are represented and generally two shades are to be seen in one flower. Excellent for room decoration. Single. Pkt. 35 cts., ¼oz. \$1, ¼oz. \$1.50.

Tall Dahlias

Expect interesting results; occasionally a hybrid of value will turn up. To be certain of definite shapes and colors it is necessary to plant roots, however. These are described and offered on pages 67-69.

Cactus, Mixed. Saved from a choice collection. Pkt. \$1, 3 pkts. \$2.50.

Double-flowering Exhibition Strain, Mixed. Saved from good Show sorts. Pkt. 50 cts., ¼oz. \$1.25, oz. \$4.

Giant Exhibition Type, Mixed. Specially choice; mixture of the largest and best exhibition varieties. You may secure some good things from it. 50 seeds \$2, 100 seeds \$3.50, 1000 seeds \$30.

DATURA cornucopia (Trumpet Flower). *Annual.* Fragrant flowers, 8 inches long by 5 inches across, pure white inside and purple outside. Ideal for the white garden. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

DICTAMNUS Fraxinella alba (Dittany; Burning-Bush; Gas-Plant). *Perennial.* White flowers on terminal racemes are excellent for cutting. Gas exuded from the plant will ignite for the moment if a lighted match be held near it during a still evening. Lemon-like odor. Like *Primula obconica*, this plant irritates the skin of persons allergic to it. Use gloves. Pkt. 15 cts.

DIDISCUS cærulea (Queen Anne's Lace). Upright annual about 2 feet high. Each branch ends in an umbrella-shaped head of sky-blue flowers. Easily grown and a splendid cut-flower. Sow in May; water freely when dry. Pkt. 15 cts., ¼oz. 50 cts.

DIGITALIS (Foxglove). *Perennial* with long racemes of tubular flowers. Plant amid shrubbery, along the edges of woods, etc. Grows well in partial shade; June, July.

Giant Shirley, Mixed. Huge spikes; from pure white to dark rose. 6 ft.

Gloxiniæflora Type. Improved; handsome, spotted gloxinia-like flowers. 4 ft.

Rosea. Rose. Purpurea. Purple.

Gloxiniæflora Mixed.

Above 4, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

DAHLBERG DAISY (*Thymophylla tenuiloba*). *Annual.* Yellow daisy flowers with dark centers. Thrives in dry soil. Mat-like plants for edging and window-boxes. Pkt. 25 cts., ¼oz. \$1.25, ¼oz. \$2.

DIMORPHOTHECA

Cape Marigold, African Daisy

Bright annuals with daisy-like flowers which do especially well in full sun.

Double Hybrids, Mixed. More than half produce double flowers with some semi-double and single. Colors vary from salmon-orange to white, with many lemon and tan hues. Individual flowers average 1¾ inches across, with a 1-inch crested center. 8 in. Pkt. 50 cts., 3 pkts. \$1.25.

Aurantiaca Hybrids, Mixed. Flowers large, varying from white through yellow and orange to salmon, many being zoned with several of these colors around the black disc. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Aurantiaca. Bright golden orange flowers. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Orange Glory. Bright flowers 2½ inches across. More compact than the type. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Ringens, Single. Grayish white flowers with a blue center. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Salmon Beauty. Large flowers of a pleasing true salmon shade. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

White Beauty. A white form of the above. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

DOLICHOS (Hyacinth Bean; Lablab). *Annual.* Rapid-growing climber. Sow outdoors where they are to remain.

Daylight. White. Covered with spikes of pea-shaped blossoms from July until late fall.

Darkness. Purple. Identical with the above, except in color.

Mixed.

Above 3, pkt. 10 cts., oz. 30 cts.

DORONICUM caucasicum (Leopard's Bane). *Perennial.* Valuable for cut-bloom. Handsome, yellow, daisy-like flowers sometimes 3 inches across. 2 ft. Pkt. 50 cts.

DRACÆNA indivisa (*Cordylina*). Tree-like, graceful, lance-leaved plants for greenhouse and conservatory decoration and for bedding. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

ECHINOCYSTIS lobata (Wild Cucumber Vine). *Annual Climber.* Bright green foliage with sprays of white flowers in July and August. Pkt. 10 cts., oz. 35 cts.

ECHINOPS Ritro (Globe Thistle). *Perennial.* Handsome, silvery, thistle-like foliage and blue flowers in round heads. 3 to 5 ft. Pkt. 15 cts., ¼oz. 50 cts.

ECHIUM (Tower of Jewels). Effective bedding plants from June to August and good for bees. Sow outdoors in spring, or earlier indoors; plant 9 in. apart. 1 ft.

Blue Bedder Roseum. Pink.

Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

ERIGERON (Midsummer Daisy; Fleabane). *Perennial.* Valuable border plant somewhat suggestive of the Michaelmas daisy.

Double Azure Beauty. Double and semi-double sky-blue flowers. Fine for cutting. 2½ ft. Pkt. 50 cts., 3 pkts. \$1.25.

Speciosus. Clear mauve daisy-like flowers, with bright golden yellow centers. 1½ ft. Pkt. 25 cts., ¼oz. \$1.25, ¼oz. \$2.

ERINUS alpinus. Dainty rock-garden plants, for crevices of stone walls, etc., and blooming in early spring. Pale purple. 6 in. Pkt. 50 cts., 3 pkts. \$1.25.

ERYNGIUM amethystinum (Sea-Holly). *Perennial.* Everlasting. Finely cut, spiny foliage; beautiful, thistle-like heads of amethyst-blue flowers. For winter bouquets. 2 to 3 ft. Pkt. 15 cts., ¼oz. \$1.



Eschscholtzia

ESCHSCHOLTZIA

California Poppy

Easily grown annuals. Sow where intended to flower, in full sun, and thin to 1 foot apart.

Golden Glory. Double orange flowers, lightening at the edges to gold. 1 ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Ramona Hybrids, Mixed. Ruffled flowers. 1 ft. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

***Carmine King.** Carmine-rose. 15 in.

***Fringed Yellow.** Yellow, fringed petals.

***Geisha.** Golden orange inside, orange-scarlet outside. 15 in.

***Golden West.** Bright yellow, dark orange at the base of the petals.

Lovely. A lovely tone of bright rose-pink suffused with salmon.

Purple Glow. Reddish purple—the darkest shade obtained so far.

***Scarlet Beauty.** Petals deep scarlet inside, lighter on outside. 10 in.

Tango. Bronze overlaid with terra-cotta.

***Vesuvius.** Rich glistening coppery red.

Choice Mixture. Covering all the colors in this pretty annual.

Above, pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50, except as noted

COLLECTION: Pkt. each of varieties marked (*), with the Tulip Poppy (*Hunnemannia*) described on page 46 (6 varieties in all), 50 cts.

EUPATORIUM cœlestinum (Thoroughwort; Boneset). *Perennial.* For naturalizing and the hardy border. Light mauve-blue. 2½ ft. Pkt. 35 cts., 3 pkts. \$1, ¼oz. \$1.50, ¼oz. \$2.50.

EUPHORBIA (Spurge; Wolf's Milk). Showy plants with milky sap. The upper leaves, or bracts, are colored.

Variegata (Snow-on-the-Mountain). *Annual.* Foliage marked with white. 2 ft. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

Heterophylla (Annual Poinsettia). *Annual.* Bush-like plants, with smooth, glossy orange-scarlet leaves. 2½ ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

FELICIA Bergeriana (Kingfisher Daisy; Blue Marguerite). *Annual.* Leaves are grass-like, and the blue daisy flowers, with yellow centers, are ¾ inch in diameter. Pkt. 25 cts., ¼oz. \$1.25.

FERN SPORES. Greenhouse Sorts. Sow in mixed sand and peat. Keep shaded and moist, with a glass partly covering the flat. Pot off when large enough. Pkt. 50 cts., 3 pkts. \$1.25.

WE OFFER A COLLECTION

of twelve packets of seed of **HARDY PERENNIALS** that are specially suitable for cutting and for decoration of the home. Price \$1.50.

GAILLARDIA • Blanket Flowers

Flowers are brilliant and daisy-like, borne freely from July to November.

Annual Varieties

- Aurea.** Rich yellow. 2 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.
Indian Chief. A fine bronze-red variety. 2 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.
Picta Lorenziana, Mixed. Flowers are double. Many colors. 20 in. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Perennial Varieties

You may treat them as annuals.

- Burgundy.** Brilliant coppery scarlet self. Pkt. 25 cts., 1/4oz. 60 cts., 1/4oz. \$1.
Goblin. Yellow flowers; deep red zone. 15 in. Pkt. 25 cts., 1/4oz. 60 cts., 1/4oz. \$1.
Grandiflora, Copper-red. Center crimson, yellow border; effect is coppery red. Pkt. 15 cts., 2 pkts. 25 cts., 1/4oz. 75 cts.
Giant Hybrids, Mixed. Immense flowers. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.
Portola Hybrids. Enormous flowers and the color-range is fairly wide, centering around reddish bronze and gold. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.
Tangerine. Medium-sized flowers of various shades of tangerine-orange. Modern. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.
The Dazzler. Flowers very large, rich dark red, with a bright orange tip on the end of each floret. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

FOUR O'CLOCK, Fine Mixed (Mirabilis; Marvel of Peru). Annual. Red, yellow, or white flowers that open after noon. 2 ft. Pkt. 10 cts., oz. 50 cts., 1/4lb. \$1.50.

FUCHSIAS, Mixed. Greenhouse and Summer Bedding Plant. Sow indoors from January to March, and plant out in May. This mixture contains white, lilac, pink, light and dark blue. Pkt. 50 cts., 3 pkts. \$1.25.

GENTIAN. Perennial. For the border; excellent also as pot-plants. They do best in semi-shade with plenty of moisture. Sow in the open during spring or summer. For blooms same season sow under glass in late winter and transplant. July-Sept.
Hascambensis. Flowers are about 1 1/2 inches across and are of various shades of blue. 2 ft. Pkt. 35 cts., 3 pkts. \$1.

GERBERA, Jamesoni Hybrids (Transvaal Daisy). Greenhouse Perennial. Slender daisy-like plants. May be grown in the open if mulched over winter. Mixture includes pastel shades of red, cerise, salmon, orange, yellow and white. Pkt. 50 cts., 3 pkts. \$1.25.

GEUM (Avens). Perennials. Ideal for cutting.
Lady Stratheden. Large; double; rich golden yellow. 1 1/2 ft. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.
Mrs. Bradshaw. Large; double; brilliant orange-scarlet. 1 1/2 ft. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

GILIA. Annual. Fine feathery foliage and globular heads of bloom about 1 inch across. The flowers last well when cut. 2 ft.
Capitata. Blue.
Fairy Star. Mixed pastel shades.
 Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25

GLOBE AMARANTH (Gomphrena). Annual; Everlasting. Good bedding plant. Brightly colored flowers resemble clover-heads and can be dried for winter. 1 1/2 ft.
Purple **Mixed**
 Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25



Gaillardia,
The Dazzler

GLOXINIA, S. & W. Co.'s Large-flowered. Greenhouse Plant. The ground-color of the large, erect, and widely opened trumpet flowers is a velvety purple-crimson, with a rosy white throat. On the corolla appear violet bands, spots, and stripes. 9 in. Pkt. \$1, 3 pkts. \$2.50.

GODETIA. Annual. Showy flowers in leafy racemes; splendid for bedding; also as a pot-plant for winter decoration.

Purity. Upright, single. The extra-large white flowers are beautifully frilled. 2 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Kelveden Glory. The color is deep glowing salmon-orange. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Wild Rose. Pale pastel shade of rose, with a touch of carmine. Very free flowering. 1 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Sybil Sherwood. Salmon-pink. For cutting. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.
Azalea-flowered (Carmine). Double pink flowers, marked darker. 15 in. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Tall Double, Mixed. Average height 2 feet. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

GOURDS. Annual Climbers. For arbors, trellises, fencing. Fruits strangely shaped, quaintly marked and colored; inedible.

LARGE FRUITS	SMALL FRUITS
Calabash Pipe	Apple
Caveman's Club	Miniature Bottle
Dipper	White Egg
Dish-Cloth (Luffa)	Orange
Giant Bottle	Pear (two colored)
Giant Club (5 ft.)	Spoon
Hercules' Club	Turk's Turban

Mixed Gourds. All sorts.

Each, pkt. 15 cts., oz. 50 cts., 1/4lb. \$1.50

COLLECTION: Pkt. each, above 14, \$1.75

GREVILLEA robusta (Silk Oak). Greenhouse Plant. Graceful foliage subject. 3 to 5 ft. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Gypsophila (Baby's Breath). Annuals and Perennials. Misty white flower panicles, largely used for cut-flowers.

Elegans grandiflora alba. Annual. Large-flowering, pure white form. 1 1/2 ft. Pkt. 10 cts., oz. 50 cts., 1/4lb. \$1.75.

Elegans grandiflora rosea. Annual. Pink form. 1 1/2 ft. Pkt. 15 cts., oz. 75 cts.

Paniculata. White. Hardy perennial sort that blooms first year if sown early. 3 1/2 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Paniculata fl.-pl. Perennial. Double. 3 ft. White. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Pacifica. Perennial. Large pink flowers. Blooms after Paniculata sorts have passed. 4 ft. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Repens. White. Perennial; for rockwork. 6 in. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Repens rosea. Pink. Pkt. 25 cts., 1/4oz. \$1.

HELENIUM (Sneezewort). Perennial. Blooms very freely in late summer.

Bigelowii. Golden yellow flowers in clusters. 4 ft. Pkt. 25 cts., 5 pkts. \$1.

Riverton Gem. Wallflower-red. 2 ft. Pkt. 25 cts., 1/4oz. \$1.

HELIANTHUS (Sunflower). Annuals, except last variety. Daisy-like blooms, the single types mostly with a large brown center disc; prized for cutting. Sow in the sun.

Sun God. Improved strain of Double Sunflower. Splendid 5-foot plants, surmounted by perfectly double, golden flowers, cushion-like and 4 to 5 inches across. Pkt. 15 cts., 1/4oz. 35 cts., oz. \$1.25.

Cut-and-Come-Again, Mixed. A mixture of tall, large-flowering types. 5 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Cucumerifolius (Miniature Sunflower). Small, single, rich yellow flowers. 5 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Cucumerifolius, Stella. Larger. Golden yellow flowers with black centers. 5 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Dwarf Maroon Prince. The best red Sunflower. A dwarf type. 3 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Gigantic Russian. Large old-time Sunflowers. 9 ft. Oz. 10 cts., 1/4lb. 25 cts., 1/2lb. 40 cts., lb. 75 cts.

Tall Red, Gaillardia-flowered. Mixture producing red or yellow-and-red flowers, mostly single, some semi-double. 6 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Perennial Sunflowers, Mixed. The best varieties carefully selected. Pkt. 25 cts., 5 pkts. \$1.

HELICHRYSUM (Straw Flower). Annual. Everlasting. The bright-colored chaffy double blooms make a fine display in beds or borders. Allow 1 1/2 feet between plants. 2 1/2 ft.

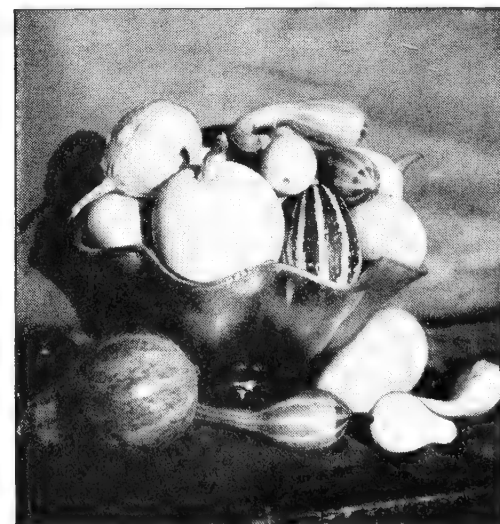
Rose Queen	Salmon Queen
Golden Ball	Violet Queen
Snowball	Mixed
	Fireball

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, above 6 colors, 75c.

HELIOPHILA linearifolia. Annual. Racemes of cornflower-blue flowers. Height 3 ft. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$1.50.

HELIOPSIS scabra zinniaeflora (Hardy Zinnia). Perennial. Orange-yellow sunflower-like flowers from June to September. 3 ft. Pkt. 15 cts., 1/4oz. 60 cts.



Gourds

FRAGRANT HELIOTROPE. *Perfumed Greenhouse or Bedding Plant.* Splendid outdoors or it can be trained as a greenhouse climber. Seed started indoors in spring will make fine plants for summer blooming. Can be sown outdoors in May. About 2 ft. **Lemoine's Giant, Mixed.** Flower-heads double the size of the old sorts.

White Lady. Pure white; very fragrant. Above 2, pkt. 25 cts., 1/4oz. \$1.50

HESPERIS matronalis (Sweet Rocket; Dame's Violet). *Perennial.* Large clumps 2 to 3 feet high, covered with showy spikes of red flowers resembling stocks. Pkt. 25 cts., 5 pkts. \$1.

HONESTY (Moonwort; Satinpod). *Biennial Everlasting.* Purple flowers followed by round silvery parchment-like seed-pouches, used for house ornament. Sow in May and protect over winter. 2 ft. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

HEUCHERA (Alum Root; Coral Bell). *Perennial.* Bushy plants of easy culture, growing 1 1/2 to 2 feet high, and bearing graceful spikes of tiny flowers. Excellent for the border or rock-garden. July, Aug.

Sanguinea. Coral-red.

Sanguinea rosea. Carmine-rose.

Each, pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$2

HIBISCUS, Giant-flowering Type (Marshmallow). *Perennial.* Showy plants for beds or borders. Will bloom first year. Trumpet flowers are 6 inches across, with dark centers. 5 ft.

Red Pure White Pink
White, with Crimson Eye Mixed

Each, pkt. 15 cts, 1/4oz. 50 cts., oz. \$1.50

HOLLYHOCK

Perennial. Popular hardy garden plants. Their beautiful colors and their dignified and stately appearance render them indispensable for the well-planned herbaceous border. As the plants are affected with rust occasionally, we recommend spraying with an approved fungicide. 6 to 9 ft.

Double Orange Prince. The flowers are large and of a brilliant apricot-orange hue. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50, oz. \$5.

Double Exquisite. Large blooms are beautifully frilled or deeply dentate, and their colors are charming. A fine mixture. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50, oz. \$5.

Haile Selassie. The large semi-double flowers are so deep a maroon that they seem to be black, accented by the yellow stamens. Pkt. 35 cts., 3 pkts. \$1.

Chater's Superb Double

Chamois Salmon-Rose
Deep Rose Scarlet
Newport Pink Sulphur-Yellow
Pure White Superb Mixed

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

S. & W. Co.'s Superb Single. Mixed colors, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Annual Hollyhock, Indian Spring. Produces a main flower-spike twenty weeks after sowing. It has semi-double and double fringed flowers in several beautiful shades of pink. 5 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

HUNNEMANNIA (Tulip Poppy; Santa Barbara Poppy). *Annual.*

Sunlite. Develops a band of short petals on the outside of the bud. Canary-yellow. 2 ft. Sow in the open ground May 1 or earlier under glass in pots, transplant when danger of frost is over. A sunny position suits it. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

IMPATIENS Sultani (Touch-Me-Not; Snapweed). *Greenhouse and Summer Bedding Subject.* Desirable for the greenhouse, also for planting out in partial shade. Profuse and continuous bloomer; semi-succulent. Flowers brilliant carmine, 1 1/2 inches across. 1 1/2 ft. Pkt. 25 cts., 5 pkts. \$1.

INCARVILLEA Delavayi. *Perennial.* Striking plant with large leaves. The flowers, on long stems, are bright rose, tube-shaped, and appear almost like gloxinias. June to Aug. 2 1/2 ft. Pkt. 25 cts., 5 pkts. \$1.

IPOMEEA (*Convolvulus*; Morning-Glory). *Annuals, mostly climbers.* Excellent for covering walls, trellises, arbors, or stumps of trees. Sow in the open in a sunny situation when the weather has warmed.

Scarlett O'Hara. Flowers 3 1/2 inches in diameter. They remain open from sunrise well past noon—hence *Morning-Glory*. Pkt. 20 cts., 1/2oz. 60 cts., oz. \$1, 1/4lb. \$3.50.

Pearly Gates. A true giant, with 4-inch diameter blooms. Climbs 12 feet. Silver Medal, All-America Trials for 1942. Pkt. 25 cts., 1/2oz. \$1, oz. \$1.75.

Heavenly Blue. Flowers 4 inches in diameter. We offer an improved, early-flowering strain. Pkt. 20 cts., 1/2oz. 60 cts., oz. \$1, 1/4lb. \$3.50.

COLLECTION: 1 pkt. each above 3 Morning-Glories, 50 cts.

Mixed Imperial (Emperor Morning-Glory). Flowers are of large size and their colorings varied and beautiful. Pkt. 10 cts., oz. 35 cts., 1/4lb. \$1.25.

Rose Marie. Rose-pink, mostly double flowers. Pkt. 10 cts., 1/2oz. 30 cts., oz. 50 cts.

Bona-nox (Evening-Glory). Rosy lilac flowers, expanding in the evening. Very rapid grower. Pkt. 15 cts., oz. 50 cts.

Mexicana alba (Moonflower). At night and during dull days the plants are covered with large, white, fragrant flowers. Pkt. 15 cts., oz. 50 cts.

Dwarf, Royal Ensign. A low-growing Morning-Glory, ideal for carpeting in front of the annual border or for defining a flower-bed or path. Covered with blue, trumpet-shaped white-centered flowers. Pkt. 15 cts., 1/2oz. \$1, oz. \$1.50.

IRISH BELLFLOWER. *Annual.* Numerous bell-shaped green and white flowers. 2 ft. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.

KALANCHOE coccinea. Succulent plant with scarlet flowers. Sown in winter, grown outdoors in summer, it blooms a year after sowing. Popular with the commercial florist. Pkt. 35 cts., 3 pkts. \$1.

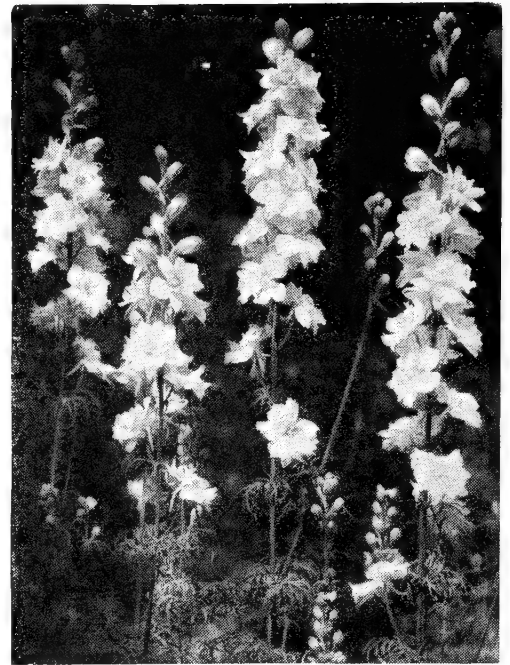
KOCHIA trichophylla (Summer Cypress; Mexican Firebush). *Annual.* 2 1/2 ft. Pyramidal bush with feathery, light green foliage, changing to crimson in September. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

LANTANA, Mixed. *Greenhouse and Summer Bedding Plant.* The flowers are borne in verbena-like heads of orange, white, rose, etc. The colors change as the flower ages. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

LATHYRUS (Everlasting or Hardy Sweet Pea). *Perennial Climber.* The flowers are borne in clusters. Climbs over rocks and fences. Splendid cut-flower. 6 to 8 ft.

White Pink Beauty Red Mixed
Each, pkt. 15 cts., 1/2oz. 50 cts., oz. 85 cts.

LAVENDER, Munstead Strain. *Perennial.* Best type of this fragrant plant. 2 ft. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.



Larkspur, Peach Blossom

LARKSPUR. Annuals with spurred flowers. Sown in the open in April will produce flowers by July. Sowing in September, and in November, is also advised. They make handsome beds and are very effective among shrubs.

Giant Imperial Sorts

Plants of giant proportions with the habit of the delphinium. Height up to 5 ft.

***Blue Spire.** Double Oxford-blue flowers.

Carmine King. Fine deep carmine-rose.

***Dazzler.** Vivid, lustrous carmine. Blooms ten days earlier than most.

***Exquisite Pink Improved.** The shade of pink meets exactly the florists' needs.

Gloria. A rich tone of deep rose, with no trace of carmine.

Lilac King. Clear lilac—rich shade that is welcomed by every gardener. 4 ft.

Lilac Queen. Color is rich lilac, shading to lavender-blue. Essential for the florist.

Lilac Spire. Beautiful shade of lilac so popular in Larkspurs.

Montrose. Clear rose-pink, very large.

Peach Blossom. Light pink, salmon trace.

Pink King. Soft, yet lively, salmon-rose. 5 1/2 ft.

Rosalind. Pink with a salmon suffusion.

***Sweet Lavender.** Good rich lavender-blue.

White King. The finest white variety.

***White Spire.** A new, dazzling, pure white, double Larkspur.

Mixed Giant Imperial Larkspurs.

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

COLLECTION: 5 varieties marked (*), 60 cts.

LAVATERA splendens rosea (Mallow). *Annual.* Beautiful plant, covered with large, cup-shaped, pink flowers. 2 ft.

Splendens alba. White form of the above.

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

LEUCOCORYNE ixioides (Glory-of-the-Sun). *Greenhouse bulbous plant* with large, fragrant, blue flowers, with white centers. Good cut-bloom. 1 1/2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

LEPTOSYNE, Golden Rosette. Annual. Double, daisy-like blooms are bright yellow. 1½ ft. Sow in the open and allow the plants to stand 1 foot apart; or sow earlier under glass and transplant. Pkt. 15 cts., ½oz. 60 cts., ¼oz. \$1.

LIATRIS pycnostachya (Blazing Star; Gayfeather; Snakeroot). Perennial. Purple and rose-purple flowers on long spikes. 3 to 4 ft. July–Sept. Pkt. 25 cts., ½oz. \$1.50.
Scariosa alba. Stout racemes of pure white flowers. Imposing in the border. 3 ft. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$2.

LILIES from seed. Most Lilies will produce flowers the second year from seed; treat them like other hardy perennials.

Candidum. Salonika variety.

Longiflorum, White Queen (Easter Lily).

Tenuifolium (Coral Lily).

Each, pkt. 75 cts., 3 pkts. \$2

Henryi (Yellow Speciosum).

Philippinense formosanum (Hardy Easter Lily). Blooms in July.

Each, pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50

Regale (The Royal Lily). Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

LINARIA, Fairy Bouquet (Toadflax). Annual. Splendid mixture. The compact plants bear large flowers in rose, yellow, pink, lavender, carmine, red, violet, white, and salmon. Excellent for bedding or for pots. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Cymbalaria (Kenilworth Ivy; Mother of Thousands; Creeping Sailor). Perennial. Climber. Lavender and purple. Charming, hardy trailer, suitable for pots or rockeries. 3 ft. Pkt. 25 cts., 5 pkts. \$1.

LINUM grandiflorum rubrum. Annual. 1 ft. Showy bedding plants having brilliant scarlet flowers. Pkt. 10 cts., ¼oz. 25 cts.

Perenne (Flax). Perennial. Bright blue. 1½ ft. Pkt. 15 cts., ¼oz. 35 cts., oz. \$1.25.

Flavum (Golden Flax). Perennial. Yellow. Dwarf, compact type, especially valuable for the rock-garden. 6 in. Pkt. 50 cts., 3 pkts. \$1.25.

Heavenly Blue. Perennial. Glowing ultramarine-blue flowers. June–Aug. 15 in. Pkt. 50 cts., 3 pkts. \$1.25.

LOBELIA. Sow in spring, and thin or plant 5 inches apart. The annual varieties are useful for edging or carpet bedding.

Annual Varieties

Cambridge Blue. A light, bright blue type. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50.

Crystal Palace Compacta. Deep blue. Dark foliage. Pkt. 15 cts., ½oz. 75 cts., ¼oz. \$1.25.

Emperor William. Compact; sky-blue flowers. Pkt. 15 cts., ½oz. 75 cts., ¼oz. \$1.25.

Mrs. Clibran Improved. Large, deep blue, white-eyed flowers. Compact plant. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50.

Red-Flowered Perennial Variety

Cardinalis (Cardinal Flower). Scarlet. Green foliage. Needs a moist, shaded place. 3 ft. Pkt. 35 cts., 3 pkts. \$1.

LYCHNIS (Catchfly; Campion). Perennial. Easily grown plants for massing in beds or borders, blooming first year from seed.

Alpina. Splendid dwarf variety for rock-gardens. Rose-colored blooms in June. 6 in. Pkt. 25 cts., 5 pkts. \$1.

Chalcedonica. Scarlet; 2 ft. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Chalcedonica, Salmon Queen. Salmon; 2 ft. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.



Lupinus polyphyllus

LUPINUS • Lupine

Of easy culture and should be more generally grown. The annuals may be sown in the open in May; thin to 1 foot.

ANNUAL LUPINES. Plants branch at the base, forming a handsome candelabra, with six to eight huge spikes to a plant. 3 feet. For cut-flowers and forcing.

King Blue. Rich dark blue, with a pure white stripe in the standard of each flower.

King Heliotrope. A beautiful tint.

King Light Blue. Large sky-blue flowers.

King White. Enormous, glistening pure white flowers.

Each, pkt. 25 cts., ½oz. 85 cts., oz. \$1.50

King Mixed. Contains the above colors and others in addition like sky-blue and mid-blue. Pkt. 15 cts., ½oz. 60 cts., oz. \$1.

PERENNIAL POLYPHYLLUS LUPINES. Sow in summer to bloom from June to September the following year, preferably where they are to flower. Partly shaded, rich soil, free from lime, is advised.

We offer a 5-foot-high strain of exceptional merit, and one which includes many new and bright colors. The plants are robust.

Pink Shades **White** **Blue Shades**
Red Shades **Mixed Hybrids**
Golden Spire. Rich golden yellow.

Each, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

Russell Lupins. Reselected Strain. Color combinations that are new; the size of the florets, their number and the length of the spike are sensational. Varies in height from 15 inches to 5 feet. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

MALOPE grandiflora, Giant Crimson. Annual. Large hibiscus-like flowers. 2½ ft. Sow in early spring in the open. Transplant or thin to stand 18 inches apart. Pkt. 15 cts., ½oz. 40 cts., ¼oz. 75 cts.

MATHIOLA bicornis (Evening-scented Stock). Annual. Flowers dull purplish lilac; grown for their fragrance at night. 1 ft. Pkt. 10 cts., ¼oz. 30 cts. oz. \$1.

MATRICARIA. Half-hardy Perennials, treated as Annuals.

S. & W. Co.'s Double White (Feverfew). Excellent for cutting or bedding. 15 in. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

Golden Ball. Yellow. 12 in. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

FRENCH MARIGOLDS

Scabious-flowered

Flowers have a pincushion-like, cone-shaped center, surrounded by a few flattened petals. Splendid for cut-flower purposes, and very decorative in the garden.

Sunkist. Neat, low growing plant starts to bear double orange-colored blooms early, and thereafter is a blaze of flowers until November. Won highest honors in the All-America Seed Trials for 1943. Pkt. 25 cts., ½oz. 50 cts., ¼oz. 75 cts.

Butterball. Flowers 1½ in. across, canary-yellow, so bright that they seem to glow with their own light. Butterball is a yellow counterpart of Sunkist (above). 9 in. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Double Harmony. Deep orange crest with maroon-brown collar of broad florets. 1 ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Harmony Hybrids. Double blooms average 1¾ inches across and colors include orange and yellow selfs and combinations of maroon blotchings and stripings. 12 to 14 in. Pkt. 15 cts., ¼oz. 35 cts., oz. \$1.25.

Melody. Of the scabious-flowering type, and remarkable for the earliness with which it starts to bloom. The golden yellow flowers are 1½ inches in diameter. 1 ft.

Scarlet Glow. Bushy, foot-high sort, with fiery red flowers 2 inches across.

Spry. Only 9 inches high. Covered with double flowers, each having a crested center of light yellow, surrounded by flat outer florets of maroon.

Above 3, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Dwarf Doubles

Royal Scot Alldouble. Rich mahogany and gold in uniform stripes. 1 ft.

Yellow Pygmy. Blooms less than an inch across, light lemon-yellow. 9 in.

Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Robert Beast. Dark brownish maroon. 1 ft.

Golden Ball. Golden orange. 1 ft.

Lemon Ball. Lemon-yellow. 1 ft.

Mahogany. Velvety mahogany-brown. 1 ft.

Mixed. Contains all colors.

Above 5, pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25

Dwarf Singles

FLASH. A mixture, winner of the Silver Medal, All-America Seed Trials, a bed of which seems to be alive with fire. Most blooms have a tangerine base-color, overlaid rich red, but others range from vivid red through bronze to yellow. Early, continuous and profuse bloomer. Flowers are single, 1¾ inches across. Height 18 inches. Pkt. 25 cts., ½oz. \$1.50, ¼oz. \$2.50.

FERDINAND. Flowers 1½ inches across, have a center of golden tubular florets, surrounded by mahogany guard florets. 1 ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Fire Cross. Deep orange, splashed and spotted with crimson. 1 ft.

Legion of Honor (Little Brownie). Golden yellow, crimson blotch. 9 in.

Above 2, pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25

Winter-flowering Marigolds

Sawco Strain. For indoor growing. Outer florets are beautiful mahogany, with a large pin-cushion center of golden yellow, suffused mahogany. Pinch plants when they are 8 inches high. 2½ ft. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.

African Marigolds on next page

IMPROVE YOUR LAWN

with an occasional dose of LAWNSPREAD. May be used at any time of the year.
Unit of 25 pounds treats 200 to 400 square feet and costs \$2.75

AFRICAN MARIGOLDS

Tall Double. 2½ ft.

Husky plants, quick to grow and smothered with mammoth tightly double blooms.

Alldouble Lemon **Alldouble Orange**

Each, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Collarette. 2½ ft.

Centers of the 2½-inch blooms are short, quilled florets, surrounded by flat ones. Foliage practically odorless.

Crown of Gold. Bright golden orange.

Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Crown Prince. Primrose-yellow. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Gigantea. 3 ft.

A remarkable new, sweet-scented, robust-growing, extremely large-flowered type.

Orange Sunset. Fine deep orange. Pkt.

15 cts., ¼oz. 50 cts., ¼oz. 75 cts., oz. \$2.50.

Sunset Giants. Rich mixture. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Dwarf Gigantea. 15 in.

Pot O'Gold. Fragrant. Large, loosely formed flowers of deep orange-gold 4 inches in diameter, ball-like and double. Pkt.

15 cts., ¼oz. 60 cts., oz. \$2.

Golden Bedder. Golden orange flowers have an outer row of guard florets surrounding a fully double crest. Quick-blooming. Pkt.

35 cts., 3 pkts. \$1, ½oz. \$1.50.

Peony-flowered. 2½ ft.

Immense bomb-shaped blooms.

Golden Supreme. Glowing gold.

Orange Supreme. Intense orange.

Each, pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1

Chrysanthemum-flowered. 2-3 ft.

Florets are curved like a chrysanthemum.

Mammoth Mum. Growing 3 feet, bears on long stems the largest flowers yet seen—4 inches across and lemon-yellow. High award in annual tests for 1944 of the All-America Seed Selections examining novelties. Pkt. 25 cts., ½oz. \$1.50, ¼oz. \$2.50.

Early Sunshine. Bright yellow.

Golden Glow. Golden yellow. Odorless.

Limelight. Light primrose-yellow.

Hybrids. Fine mixture of many varieties.

Each, except where noted, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Goldsmith. Bushes are literally covered with large flowers, round, double and saffron-gold, 4 inches across, quilled and incurved. Starts to bloom early. 4 ft. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

Yellowstone. Flowers are 3 inches in diameter, incurved, quilled, and highly attractive. Clear golden yellow. Height 4 ft. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

American Beauty. Mammoth flowers on 3-foot plants.

Orange **Golden Orange** **Yellow**
Each, pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25

Dwarf Double. 12-15 in.

These are good for edging a border or a bed containing other Marigolds.

Little Giants, Orange. Pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25.

Little Giants, Mixed. Pkt. 15 cts., ½oz. 60 cts., ¼oz. \$1.

Carnation-flowered. 1-2½ ft.

The florets are wide and waved.

Yellow Supreme. Lemon-yellow. 2½ ft.

Guinea Gold. Golden orange. 2½ ft.

Dwarf Guinea Gold. Smaller plant. 1 ft. Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

MIGNONETTE • *Reseda*

Annual. Well-known, sweet-scented flowers. At home everywhere, either in the greenhouse, garden, or sitting-room.

Red Monarch. The deepest red Mignonette. The flower-spikes are thick and heavy. *Very sweet-scented.* Recommended as an outdoor garden plant and fine for under glass. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

S. & W. Co.'s Triumph. Recommended for winter forcing. In type similar to Allen's Defiance, except that spikes are more compact and larger. 15 in. Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1.

Allen's Defiance. Large-flowering and deliciously fragrant. When grown under favorable conditions its spikes will be 12 inches long. The individual florets are of remarkable size, forming a graceful as well as compact spike. 1 ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Machet. Dwarf variety, with broad spikes of very fragrant red flowers. One of the best for either garden or pot-culture. 10 in. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

MESEMBRYANTHEMUM crystallinum (Ice Plant). *Annual.* Dwarf, trailing plants with pink flowers and glistening foliage. 8 in. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

Criniflorum, Mixed. *Annual.* Many attractive colors. Spreading plant. 3 in. Pkt. 25 cts., ½oz. \$1.

MIMULUS moschatus (Musk Plant). *Annual.* Beautiful trailing plant. Likes damp, shady situations. Musk-scented. 1 ft. Pkt. 25 cts., 5 pkts. \$1.

MOMORDICA. *Annual Climber.* 15 to 20 ft. Large leaves make dense shade. Flowers followed by ornamental fruits.

Balsamina (Balsam Apple). Orange fruits. Pkt. 15 cts., oz. 50 cts.

Charantia (Balsam Pear). Coppery scarlet fruits. Pkt. 15 cts., oz. 50 cts.

MYOSOTIS (Forget-me-not). *Perennial.* Hardy with slight protection over winter. Seed may be sown in spring or summer. Bloom in April.

Alpestris (sylvatica) Varieties

Royal Blue. Rich dark indigo-blue flowers. 9 in. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Blue Spire. Flowers of lively deep, but bright blue; a mass of bloom in spring. 1 ft. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$2.

Oblongata, Blue Bird. Beautiful spring-flowering type with deep, true blue blooms. Pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25.

NEMESIA. *Annual.* Flowers are short tubes with broad, flattened lips. Brilliant bedding plants. We offer a fine strain of this beautiful subject; large-flowered varieties.

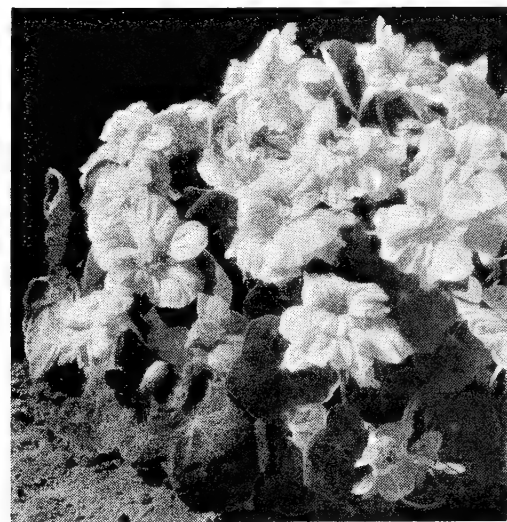
White Queen. When in flower it is a perfect white pyramid. 1 ft. Pkt. 25 cts.

Orange, Cherry-Red, and Mixed.

Hybrid Blue Gem. A dwarf variety, very suitable for borders. 9 in.

Above 4, pkt. 15 cts., ½oz. \$1.50

NEMOPHILA insignis Mixed (Baby Blue-Eyes). *Annual.* Bright flowers in shades of blue, white, and violet. 6 in. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.



Nasturtium, Dwarf or Globe

NASTURTIIUMS

For ease of culture, duration of bloom, brilliancy of coloring, and general excellence, Nasturtiums are unexcelled. All they need is a sunny position; within a few weeks from the time they are sown until hard frost comes, there is a profusion of gorgeous blossoms.

Dwarf or Globe Types Sweet-scented

Double, fragrant flowers; compact plants, entirely without runners. Excellent for borders, edging, pots and flower-beds.

Salmon Globe **Scarlet Globe**
Mahogany Globe **Orange Globe**
Ruby Globe **Dwarf Globe Mixture**
Golden Globe

Each, pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$5
COLLECTION: Pkt. each, above 6 colors, 75c.

Semi-Dwarf or Gleam Types Sweet-scented

Double, fragrant flowers; plants have short runners. Suitable for trailing in a rock-garden or window-boxes and for cut-bloom.

Salmon Gleam **Scarlet Gleam**
Mahogany Gleam **Orange Gleam**
Moon Gleam (golden cream)
Golden Gleam **Glorious Gleam Mixture**

Each, pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$5
COLLECTION: Pkt. each, above 6 colors, 75c.

Tom Thumb or Bedding (Single)

Dwarf, Ivy-leaved, Mixed. Beautiful, green, ivy-like foliage; an effective setting for the lovely flowers. All colors. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$5.

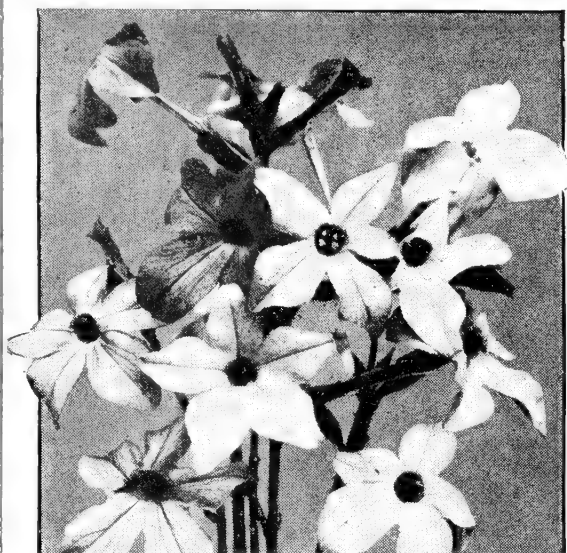
Dwarf, Variegated-leaved, Mixed. Good flowers and ornamental foliage. All colors. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$5.

Large-flowered, Dwarf, Mixed. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$5.

Tall or Climbing (Single) 6 to 10 ft.

Tall, Variegated-leaved, Mixed. Ornamental leaves; climbing. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$5.

Large-flowered, Tall, Mixed. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$5.



Nicotiana affinis

NICOTIANA • Scented Tobacco

Easily grown annuals with broad leaves and spikes of fragrant trumpet-flowers.

Affinis. Fragrant white, star-shaped flowers, 3 inches across, blooming continually. 2 to 3 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Affinis Hybrids, Mixed. A fine assortment of colors; highly perfumed. 2 to 3 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Affinis, Pink and Red Shades. Immense clusters of pink and rich crimson flowers. 2 to 3 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Crimson Bedder. Compact. Deep hue. 15 in. Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 75 cts.

Miniature White. Small-flowered; delightfully scented. Good for bedding and pots. $\frac{1}{4}$ ft. Pkt. 35 cts., 3 pkts. \$1.

NIEREMBERGIA, Purple Robe (Cup-flower). *Perennial; treated as an annual.* Sow in early spring indoors, and transplant in May. Mat-like edging plant, covered with deep violet-blue flowers, $\frac{1}{4}$ inches across. 6 in. Pkt. 50 cts., 3 pkts. \$1.25.

NIGELLA (Love-in-a-Mist; Fennel Flower). Easily grown annuals with cup-shaped flowers partly hidden by lace-like foliage.

Damascena, Mixed. Double blue or white. $1\frac{1}{2}$ ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Miss Jekyll. Cornflower-blue blossoms. 2 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Miss Jekyll, White. Pure white form of the above. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.



Nigella, Miss Jekyll

Giant-Flowered Pansies

TREAT AS ANNUALS OR BIENNIALS

Sow in April and again in July and August in a light, cool, but well-moistened soil, enriched with General Garden Fertilizer. Cover them three times their diameter, and firm the soil. Seed-bed should not be allowed to dry out. Transplant to 1 foot apart. Protected in winter under glass, summer-sown plants are put out in bloom in April; carried over in the open they flower a month later.

SUPER-PASTORAL GIANTS. This superb strain of giant fancy Pansies is the culmination of years of scientific culture. A vigorous root-system enables it to bloom well into hot weather. Flowers are round, of immense size, firm texture with strong stems.

Emperor William Blue
Light Lavender
Pure Golden Yellow
Snow-White

The above four colors are available after July 10.

Mixed. Ready now.

Each, pkt. \$1, $\frac{1}{8}$ oz. \$3.50, $\frac{1}{4}$ oz. \$6,
 $\frac{1}{2}$ oz. \$10, oz. \$35

Pastoral Giants

The Pastoral Giants embrace a wider range of color than other large Pansies. Many are frilled and sweetly perfumed.

Pure Golden Yellow.

Pure Snow-White.

Lavender (light).

Emperor William Blue (dark).

Pastoral Giants Mixed.

Above are ready now.

Yellow, Dark Eye. Available after July 10.

Each, pkt. (about 300 seeds) 50 cts., $\frac{1}{8}$ oz. \$2,
 $\frac{1}{4}$ oz. \$3.50, $\frac{1}{2}$ oz. \$6, oz. \$20

SAWCO EXHIBITION STRAIN. Includes the finest varieties, with blooms of good size, splendid texture, and plants of robust constitution, holding their flowers well above the foliage. Every color combination is included. Pkt. 50 cts., $\frac{1}{8}$ oz. \$2.50, $\frac{1}{4}$ oz. \$4, $\frac{1}{2}$ oz. \$7.75, oz. \$15.

SWISS GIANT, MIXED. Large blooms and their shape is good; among them are many unusual shades. They stand warm weather well. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{8}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50, $\frac{1}{2}$ oz. \$6.50, oz. \$12.

NON PLUS ULTRA, MIXED. For the gardener who desires his beds of good quality and with every color. Pkt. 25 cts., $\frac{1}{8}$ oz. \$2, $\frac{1}{4}$ oz. \$3, $\frac{1}{2}$ oz. \$5.50, oz. \$10.

MIXED BEDDING PANSIES. All colors. Pkt. 15 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

NOLANA, Blue Ensign (Chilean Bell-flower). 1 ft. Annual for bedding or greenhouse use. Ultramarine flowers on 6-in. stems. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

GENOTHERA (Evening Primrose). *Perennial.* Its flowers open in the afternoon.

Clutei. Soft creamy yellow. 4 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Lamarckiana. 3 ft. Yellow flowers. July-Oct. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

PELARGONIUM (Geranium-so-called). *Greenhouse and Bedding Subject.* Fine plants may be obtained from seed. We offer a mixture—reds, crimsons, pinks, and whites. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50. True Geranium is Crane's Bill.

PHACELIA campanularia (California Bluebell). *Annual.* Covered with blue flowers all summer. Charming edging plant. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

BABY DELIGHT. Beautiful waved blooms are light blue. They appear in ten weeks from seed. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

CORONATION GOLD. Flowers 3 inches across, with ruffled edges. Color is canary-yellow, lower petals flushed orange. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{8}$ oz. \$3.

Giant Greenhouse Pansies

SAWCO STUPENDOUS. Remarkable strain of gigantic proportions for indoor culture, offered exclusively by us. The plants grow 4 feet high. Carried on thick, stiff stems, 18 inches long, are enormous flowers 4 to 4 $\frac{1}{2}$ inches across and in a complete color-range. For the professional gardener and producing florist. May be grown in the open, also, but with winter protection. Pkt. \$2, 3 pkts. \$5.



Pansies

PENTSTEMON (Beard Tongue). *Treat as an Annual.* Attractive perennial producing sprays of bright-colored tubular flowers. A bedding plant of great beauty. Give it the same culture as the bedding Salvia, sowing seed in March or April, and it will be effective from midsummer on.

Sensation. Large, gloxinia-like flowers in a wide color-range including rose, red, carmine, cherry, lilac, purple, etc. 2 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

PLATYCODON (Balloon Flower; Oriental Bellflower). *Perennial.* Beautiful plants with showy bell-shaped flowers all summer. Readily grown from seed, they bloom the second year; give them sun and good soil.

Grandiflorum. Steel-blue; 2 $\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Grandiflorum Mariesii. Dwarf, compact plant with large flowers. Mixed colors, including purplish blue, mid-blue, pale blue, lavender, and white. 1 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Brilliant Petunias

Petunias are ideal for beds, porch-boxes or window-boxes. They flower in summer, even if sown in the open ground during May or June. Those sown in the house or hotbed in March or April will be in bloom by June and will be larger and finer plants.

In this column are Giant varieties with 4- to 5-inch flowers, mostly 15 inches tall.

Giant Single Fringed

Pride of Portland. Beautiful rose-pink.
Romany Lass. Coppery blood-red blossoms with dark purple throats; striped black.
Scarlet Beauty. Brilliant scarlet.
Theodosia. Large; soft rose-color, with a golden throat, beautifully veined.
Viola cea. Velvety violet-blue.
White Beauty. Clear, crisp white.
Single Fringed, Mixed (Fluffy Ruffles). Each, pkt. 25 cts., 5 pkts. \$1

COLLECTION: Pkt. each, above 6 colors, \$1.25

Dainty Lady. The flowers are fringed, medium in size and light golden yellow. Pkt. 50 cts., 3 pkts. \$1.25.

Glamour. Enormous flowers are single, frilled, and over 5 inches across. They are rosy salmon, and the cream throat is strongly marked with brown veins. Flowers early. 20 in. Pkt. 50 cts., 3 pkts. \$1.25.

Giant Single Plain-edged

Elk's Pride. Large; very dark purple.
Dwarf Elk's Pride. Shorter by 3 inches than others in this class, it is a splendid edging variety.
Dwarf Pink Glory. Deep rose flowers.
Purple Robe.
White Cloud. Large, pure white flowers.

Each, pkt. 25 cts., 5 pkts. \$1

COLLECTION: Pkt. each, above 4 colors, 85c.

Burgundy. Beautiful mixture of purple and carmine; each flower with white throat and violet lines. Pkt. 50 cts., 3 pkts. \$1.25.

Snowstorm Improved. Glistening white; yellow suffusion in throat. Pkt. 35 cts., 3 pkts. \$1, 1/4 oz. \$2.50.

Giant-flowering Double Fringed

Produces double, some semi-double, and a few single flowers.

Crimson King **Rose Queen**
Madonna. Pure white. **Copper-Red**
Rose-Pink with White. **Heliotrope**

Each, pkt. 50 cts., 3 pkts. \$1.25

COLLECTION: Pkt. each, above 6 colors, \$2.50

Double Fringed Mixed. (California-grown seed.) Large, fringed flowers. Wide variety of colors. Pkt. 35 cts., 3 pkts. \$1.

New Alldouble Petunias

Remarkable in that every seedling will produce double or semi-double flowers.

**ALL-AMERICA
SILVER MEDAL**

America All-double. Shapely foot-high plants are covered all summer with flowers that look like carnations, 3 1/2 inches across; their color is a pleasing hue of mauve-pink. First all-double to be produced in America. Pkt. 50 cts., 3 pkts. \$1.25.

Daintiness (Apple Blossom). Extra large, very double, and fringed. Color is an entrancing medium tone of pink.

Amaranth. Red.

Gaiety. Rose and white.

Loveliness. Clear pink.

Orchid Beauty. Clear color with veinings of a deeper shade.

World Beauty. Rose-carmine.

Victorious, Mixed. Height 10 in.

Above 7 sorts, each, pkt. 75 cts., 3 pkts. \$2



Petunia

Washington Petunias

Ruffled and frilled blooms on little bushy plants only 9 inches high. They are just the thing for pots and bedding.

General Washington. The 3-inch trumpets are a rich, velvety, amaranth-red with a glistening reddish black throat.

Martha Washington. Large trumpets are beautiful blush-pink; the center is veined wine-red, deepening to dark violet in the center of the flower.

Each, pkt. 35 cts., 3 pkts. \$1

Miniature Types

Ball-shaped plants 6 to 8 inches high are covered with flowers 2 inches in diameter, deeply lobed and broad-pointed.

Rose Gem **Pink Gem** **White Gem**
Violet Gem. Rich violet-blue.

Each, pkt. 35 cts., 3 pkts. \$1, 1/4 oz. \$1.50,
1/4 oz. \$2.50

Mixed Miniature. Pkt. 25 cts., 1/8 oz. \$1,
1/4 oz. \$1.50.

Ruffled Petunias

Marilyn (Large-throated). A half-dwarf type, erect and robust. The flowers are very large, ruffled and beautiful rich salmon. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Copper-Red. Unusual color; the large wide throat is a darker red. Pkt. 50 cts.

Dwarf Giants of California. Large flowers with yellow throats, heavily marked and delicately veined. Compact and vigorous. Mixed colors. Pkt. 25 cts., 5 pkts. \$1.

Ruffled, Mixed. Flowers 4 ins. across, frilled and ruffled. All colors from white, through pink to red. Compact plants. 10 in. Pkt. 50 cts., 3 pkts. \$1.25.

Single Balcony, Plain-edged

Petunia hybrida pendula

For borders, beds, and rock-gardens; their somewhat spreading habit enables them to festoon themselves over window-boxes, porches and walls. Flowers 3 inches across.

Balcony White. Pure white.

Balcony Rose. Pure rose-pink.

Balcony Crimson. Rich deep crimson.

Balcony Blue. Cornflower-blue.

Balcony Purple. Velvety violet-purple.

Each, pkt. 20 cts., 1/8 oz. \$1.50, 1/4 oz. \$2.50

COLLECTION: Pk. each, above 5 colors,
75 cts.

Balcony, Rosy Morn. The most popular color in Petunias, rosy crimson, lightening to a white throat, now available in this series. Pkt. 20 cts., 1/8 oz. \$1.50, 1/4 oz. \$2.50.

Balcony, Mixed. All colors. Pkt. 15 cts., 1/8 oz. 75 cts., 1/4 oz. \$1.25.

Single Bedding (*P. hybrida*) 1 1/2 ft.

Igloo. Startling and beautiful new cream-white. The 1 1/2-inch flowers with yellowish throats cover the plants all season. Pkt. 25 cts., 5 pkts. \$1, 1/8 oz. \$2.

Radiance. Flowers are from 2 1/2 to 3 inches in diameter and a brilliant rich rose or cerise, with a salmon undertone. Pkt. 35 cts., 3 pkts. \$1, 1/8 oz. \$1.50, 1/4 oz. \$2.50.

Blue Bedder. Rich, royal blue. Effective when planted in beds. Also as a pot-plant. Pkt. 15 cts., 1/4 oz. \$1, oz. \$3.50.

Flaming Velvet. Flowers are a brilliant velvety scarlet. Outstanding in color, type, and uniformity. Pkt. 25 cts., 1/8 oz. \$1.25, 1/4 oz. \$2.

General Dodds. Velvety dark red or garnet. Pkt. 15 cts., 1/4 oz. \$1, oz. \$3.50.

Hollywood Star. Flowers star-shaped, five-pointed, and rose-pink; creamy yellow throat. Pkt. 25 cts., 1/8 oz. \$1.25, 1/4 oz. \$2.

Pink Beauty. Flowers large, brilliant rose-pink with throat suffused yellow. Pkt. 15 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.

Topaz Rose (Rose and Gold). Light cerise-red or topaz-rose; fragrant. 1 1/2 ft. Pkt. 15 cts., 1/8 oz. 50 cts., 1/4 oz. 75 cts.

Bedding, Mixed. Highly decorative. Pkt. 15 cts., 1/8 oz. 60 cts., 1/4 oz. \$1, oz. \$3.50.

Dwarf Bedding (*P. compacta*) 9-12 in.

Cheerful. New dwarf, compact type, covered all season with large light salmon-pink blooms 2 inches across. High award in annual tests for 1944 of the All-America Seed Selections examining novelties. Pkt. 25c.

English Violet. Mauve or purple-violet; invaluable for opening up novel color combinations in flower-bed planting. Pkt. 35 cts., 3 pkts. \$1, 1/8 oz. \$1.50.

First Lady. Blooms are 2 1/2 inches across and light blush-pink. Compact and uniform. Pkt. 50 cts., 3 pkts. \$1.25.

Celestial Rose. Deep satiny rose with a white throat. Shapely and compact. Pkt. 25 cts., 1/8 oz. \$1.25, 1/4 oz. \$2.

Cream Star. Moderately large flowers of a soft cream-white, having an inner star-shaped mark of a darker cream. 15 in. Pkt. 20 cts., 1/8 oz. \$1, 1/4 oz. \$1.50.

Glow. Plant is covered with medium-sized, rose-red flowers with lighter throat. Pkt. 35 cts., 1/8 oz. \$1.25, 1/4 oz. \$2.

Heavenly Blue (Silver Blue). Enchanting shade of light silvery blue. Pkt. 25 cts., 5 pkts. \$1, 1/8 oz. \$1.50.

Rose of Heaven. Rich, brilliant rose, a trifle deeper than Rosy Morn. Pkt. 15 cts., 1/8 oz. 75 cts., 1/4 oz. \$1.25.

Rosy Morn. Carmine-pink; white throat. Pkt. 15 cts., 1/8 oz. 85 cts., 1/4 oz. \$1.50.

Salmon Supreme. Light coral-salmon blooms, about 2 inches in diameter. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.

Velvet Ball. Compact and free-flowering. Flowers 2 1/2 inches in diameter; a deep velvety blood-red. Pkt. 50 cts., 3 pkts. \$1.25.

Violet-Blue. Rich violet within and bright blue without. Compact and covered with flowers all summer. 9 to 12 in. Pkt. 25 cts., 1/8 oz. 75 cts., 1/4 oz. \$1.25.

Compacta, Mixed. Brilliant colorings. Pkt. 15 cts., 1/8 oz. 60 cts., 1/4 oz. \$1, oz. \$3.50.

THE Three Favorite MORNING- GLORIES

Why Are They Called "Morning-Glories"?

Daily the buds unfold to greet the sunrise, and they remain open until well past noon.

Morning-Glories are excellent for covering walls, trellises, arbors, fences or stumps of trees. Select a sunny situation and sow in the open when the weather has become warm. Thin to 6 inches between plants.

Flowers of **Heavenly Blue** are often 4 inches in diameter. We offer an improved, early-flowering strain. Pkt. 20 cts., 1/2oz. 60 cts., oz. \$1, 1/4lb. \$3.50.

The giant trumpets of **Scarlett O'Hara** are 3 1/2 inches in diameter, and a glowing carnelian-red. Pkt. 20 cts., 1/2oz. 60 cts., oz. \$1, 1/4lb. \$3.50.

PEARLY GATES. Beautiful white kind. (Not illustrated.) Pkt. 25 cts., 1/2oz. \$1, oz. \$1.75

SPECIAL COLLECTION OFFER
Red, White, and Blue Morning-Glories.
One pkt. each of 3 colors, 50 cts.

5 of the finest MARIGOLDS

Unequaled for abundance of beautiful cut-flowers, brilliant garden effect, ease of culture.

They usually bloom until the end of October; first frosts rarely stop them.

Special Collection

One pkt. each of these FIVE
FINEST MARIGOLDS . . . **75 cts.**

LITTLE GIANTS, ORANGE. Height 1 ft.
Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25

GOLDSMITH. Height 4 ft.
Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50

SCARLET GLOW. Height 1 ft.
Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

GIGANTEA, ORANGE SUNSET. Height 3 ft.
Pkt. 15 cts., 1/8oz. 50 cts., 1/4oz. 75 cts., oz. \$2.50

SPRY. Height 9 ins.
Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

ZINNIAS—the old standbys

Sow in the garden and thin to a foot or more. For earliest flowers, start indoors in pots or boxes and transplant in May.

FIVE FANTASY ZINNIAS

Two illustrated at right

On 33-inch plants are lovely 3-inch blooms—shaggy, waved and frilled. Five colors:

WILDFIRE. Scarlet.

WHITE LIGHT.

ROSALIE. Rose.

ORANGE LADY.

STARDUST. Golden yellow.

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

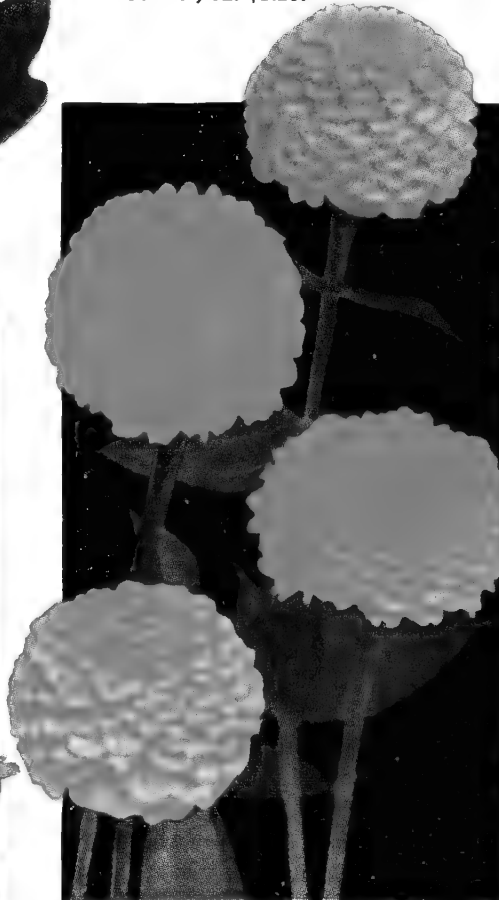
COLLECTION: Five pkts., one each of the above . . . **60 cts.**

MIXED FANTASY. All shades. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.



FANTASY STARDUST

FANTASY WILDFIRE



MIDGET ZINNIAS

(Above)

Small plants bearing little flowers, perfect in shape and entrancing in color; excellent for prize-winning floral displays. Seven colors and a mixture are available:

*CANARY	*GOLDEN
*SALMON	*SCARLET
*CRIMSON	*PINK
WHITE	MIXED

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

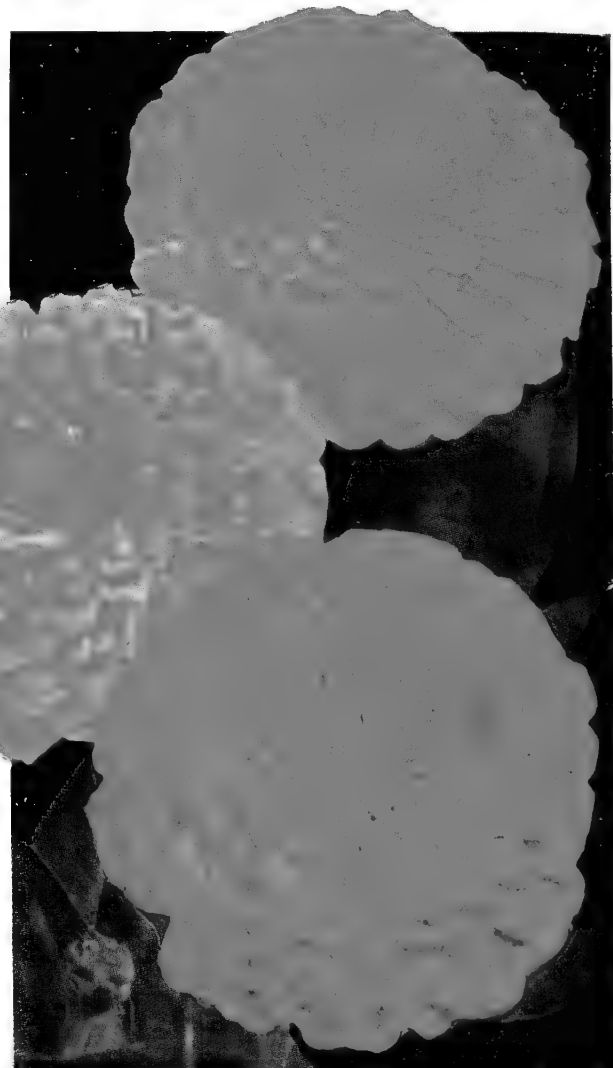
COLLECTION:
Six pkts., one each of the colors marked * **50 cts.**

ZINNIAS, Crown o' Gold, Pastel Tints

New Giant Strain

A mixture. Each large bloom, as in all Zinnias, is composed of individual florets. In Crown o' Gold, the base of each floret, at the center of the flower, is gold but the outer halves vary; in one flower it is pink or in another salmon or apricot, buff, peach, white or cream.

Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2



CROWN O'GOLD ZINNIAS, PASTEL TINTS



PETUNIA, Salmon Supreme

The perfect bedding Petunia. Plants are covered with these glowing coral-salmon blooms; each is 2 inches across. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.



NICOTIANA, Crimson Bedder

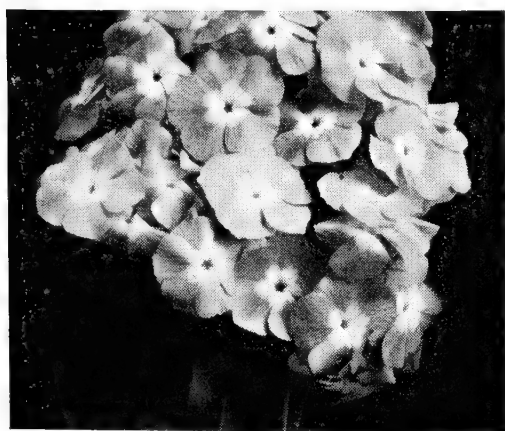
Striking dwarf form of the Scented Tobacco plant. Compact plant is only 15 inches high, and the deep crimson flowers are most effective. Pkt. 15 cts., 1/8oz. 50 cts., 1/4oz. 75 cts.



ZINNIA LINEARIS

Ten inches high and spreading 2 feet, the plant is covered with the single daisy-like flowers shown here.

Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50



Phlox, Salmon Glory

The Annual Phlox

Brilliant and free-flowering bedding and ribbon-gardening plants. Sow outdoors in May, or earlier indoors.

Red Glory. Clusters of brilliant light crimson flowers, each with a cream-white eye and $1\frac{1}{4}$ inches across. $1\frac{1}{2}$ ft.

Rosy Morn. Each floret is as large as a fifty-cent piece and is brilliant rose in color, with a white center. 1 ft.

Salmon Glory. Large salmon-pink flowers, each with a cream-white eye. 10 in.

Gigantea, Art Shades. Flowers $1\frac{1}{2}$ inches across and in soft pastel colors. 9 in.

Above 4, pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2

POLEMONIUM (Jacob's Ladder). *Perennial*. Popular border plant; bell-shaped flowers 1 inch across. 2 ft. May-July.
Ceruleum grandiflorum. Deep blue.
Album. Pure white.

Each, pkt. 25 cts., 5 pkts. \$1.

ANNUAL POPPIES. Sow in spring and thin to 6 inches; sow again in autumn for next year. They do not transplant well.

American Legion. (Single Shirley Type.) Enormous dazzling single orange-scarlet flowers. $2\frac{3}{4}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Cavalcade. (Double Shirley Type.) Begonia-like flowers of rich orange-scarlet. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Sweet Brier. Large double fluted blooms that are a striking deep rose-pink. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Wild Rose Pink. (Single Shirley Type.) Entrancing colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Single Shirley, Mixed. Beautiful; graceful. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Double Shirley, Mixed. A new double type of great charm. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Tulip Poppy (*Papaver glaucum*). Flowers are 3 inches across and resemble the scarlet Gesneriana tulips. Annual. 20 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

ORIENTAL POPPIES (*Papaver orientale*). *Hardy Perennials*. Enormous, brilliant flowers. Sow in spring. Plants disappear in July, reappear in fall, at which time transplant to their permanent quarters.

Princess Victoria. Salmon flowers. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.

Oriflamme. Gorgeous orange-scarlet. **Scarlet.** **Finest Mixed.**

Above 3, each, pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1

ICELAND POPPIES (*Papaver nudicaule*). Although perennials, these will flower the first year from seed. They are of graceful habit, with bright green, fern-like foliage, formed in tufts, from which issue slender flower-stalks about 1 foot high. Groups of these in the perennial border are very effective in the spring.

Belvedere Beauty. A mixture of new colors: cherry, flame, cardinal, carmine, crimson, pink, rose, apricot, and other hues. Very large blooms. Pkt. 35 cts., 3 pkts. \$1.

Red Cardinal. A magnificent Poppy, in color the nearest yet to crimson-scarlet. Pkt. 35 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

The Emperor. Fine deep tangerine. Flowers are fluted and have a tendency to be semi-double. Strong, wiry stems, $1\frac{1}{2}$ feet long.

The Empress. Lovely salmon-rose and pink. Fluting and wrinkling make the large flowers appear semi-double.

Yellow Wonder. This new variety grows 3 feet high. The enormous flowers measure 4 to 6 inches across and are bright buttercup-yellow.

Above 3, each, pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$1.25

Coonara Pink. Rose-pink and salmon are blended to give us flowers of rare shades, while the petals are slightly ruffled.

Sanford's Giant Strain, Mixed. Very long stout stems bearing large flowers make this kind invaluable. All colors.

Tangerine. This is a deep tangerine-orange, with flowers of enormous size.

Above 3, each, pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1

Iceland Poppies, Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

TIBETAN POPPIES (*Meconopsis Baileyi*). Believed to be the most beautiful Tibetan Poppy. A perennial 4 feet high, and producing sky-blue flowers. Sow in pans or boxes in a coldframe. Transfer to small pots when large enough, and when the plants are well established put into deep loam and leaf-soil in a moist, well-drained, half-shady position. Seed is very slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

PORTULACA (Sun-Plant). *Annual*. Ground-hugging 6-inch plants with narrow, fleshy leaves and 1-inch flowers which open only in fine weather. Brightly colored. Of easy culture in a sunny situation. Fine for beds, edgings on rockwork or broadcast over sunny banks, etc.

Single grandiflora.

Aurea. Yellow.

Splendens. Crimson.

Each, pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1

Mixed. Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts., oz. \$3.

Double grandiflora.

Alba. White.

Rosea. Rose.

Salmonea. Salmon.

Splendens. Crimson.

Each, pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2

Mixed. Pkt. 15 cts., $\frac{1}{8}$ oz. 75c, $\frac{1}{4}$ oz. \$1.25.

POLYANTHUS (*Primula elatior*). *Perennial*. Immense trusses of large flowers on 10-inch stems. Sow in early summer and transfer to permanent position in autumn. Protect over winter.

Mixed Colors. Pure white, through yellow to rich wallflower-red. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{8}$ oz. \$2.50.

Blue Beauty. Fine blue Polyanthus Primrose. Pkt. 50 cts., 3 pkts. \$1.25.

Primula (Primrose)

Greenhouse Plants and Hardy Perennials

The charming and beautiful Fimbriata, Obconica and Malacoides varieties are among our most important winter-blooming plants. Seed sown in April will bloom during early winter; August for spring blooming. Sow in shallow pans, in soil consisting of part sand and leaf-mold worked through a fine sieve, and allow for good drainage. Cover seeds lightly, and water frequently; give a temperature of about 65 degrees. Hardy types may be sown in the open ground; mostly they do best in a moist, partly shaded situation.

Primula sinensis fimbriata

Chinese Fringed Primrose

Single Hybrids, Mixed. New and beautiful shades. Pkt. 75 cts., 3 pkts. \$2.

Primula obconica gigantea

Our improved strains outlive the old types, the flowers being considerably larger, often measuring 2 inches across.

Wyaston Wonder. Huge heads of immense crimson flowers, and the foliage is believed to be non-irritating. Pkt. 75 cts., 3 pkts. \$2.

Apple Blossom	Sky-Blue	Crimson
Dark Rose	Scarlet	Blood-Red
	Mixed	

Above 7, pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.75

Rosea Mueller. Bright rose. Pkt. 50 cts., 3 pkts. \$1.25.

Primula malacoides (Baby Primrose)

Giant California Strain

Handsome specimen plants and flowers that are exceptionally large and well formed.

Double Twinkles. Soft flesh-pink.

Enchantress. Soft salmon-rose.

Sweetheart. Bright salmon-pink bordered with a wide band of white.

Above 3, each, pkt. \$1.50

California, Mixed. Fine assortment.

Lavender Glory. Soft lavender blooms $1\frac{1}{4}$ inches across.

Snowflake. White, 1-inch-diameter blooms.

Above 3, each, pkt. \$1

Double Fairy Jewels. Double flowers, with a crested center, $\frac{3}{4}$ to 1 inch across; rich rose-pink, slightly lighter at the edges. One may expect over 90 per cent double-flowering plants. Pkt. \$1.50.

Primula Kewensis

Mixed. Attractive yellow, fragrant flowers. Pkt. 35 cts., 3 pkts. \$1.

Hardy Primulas

Bulleyana hybrida. Orange, apricot, and carmine shades; 2 ft. Pkt. 35 cts.

Denticulata. Rosy lilac; 1 ft. Pkt. 50 cts.

Helodoxa. Golden; 3 to 4 ft. Pkt. 35 cts.

Japonica alba (Oriental Primrose). White flowers with pink centers. 2 ft. Pkt. 25 cts.

Japonica, Etna. Copper-red; 2 ft. Pkt. 50c.

Japonica splendens. Blood; 2 ft. Pkt. 35c.

Japonica, Choice Hybrids, Mixed. Bright, showy flowers. 2 ft. Pkt. 25 cts.

Lissadel, Red Hugh. Fiery madder-red. 1 ft. Pkt. 35 cts.

Sikkimensis (The Sikkim Cowslip). Pale yellow; fragrant. $1\frac{1}{2}$ ft. Pkt. 35 cts.

Veris, Mixed (Cowslip). 1 ft. Pkt. 20 cts.

Vulgaris. The true English Primrose. Canary-yellow; fragrant. 6 in. Pkt. 25 cts.

Waltoni. Dark red, wine-colored, glossy flowers. 15 in. Pkt. 50 cts.

PYRETHRUM (Painted Daisy). *Perennial.* Attractive hardy plants with daisy-like flowers. Valuable for cut-bloom and garden display. Gaily colored.

Single Hybrids, Mixed. Grown specially for us in England. The flowers range in color from the palest pinks to deep red. 2 ft. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

RANUNCULUS asiaticus. *Perennial; treat as an Annual.* From a wild, large-flowered type, a variety of reds, yellows, orange, etc., have been produced. Includes singles, semi-doubles, and doubles. 1 ft.

Palestine Strain, Mixed. A mixture of all colors.

Above 2, each, pkt. 35 cts., 3 pkts. \$1

RUDBECKIA • Coneflower

Annual Varieties

Starlight. Large free-blooming, semi-double hybrids. The flowers vary; some are double, others single, some midway. Colors range from primrose to mahogany. 3 ft. Pkt. 25 cts., 1/8oz. \$1.50, 1/4oz. \$2.50.

Kelvedon Star. The flowers are orange or yellow, and all have dark brown centers. 3 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

My Joy. Bright orange 5-inch flowers. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Golden Sunset. Large golden flowers; red band. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Indian Maid. Golden yellow blooms with mahogany zone; quilled florets. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Perennial Varieties

Hirta Hybrids, Mixed. Sown indoors in March, they bloom same summer. Flowers are large, single, and each is of only one color; from deep mahogany through bronze and orange to yellow. 2 ft. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

Newmani. Orange with purple cone; 3 ft.

Purpurea. Reddish purple; 4 ft.

Above 2, each, pkt. 15 cts., 1/4oz. 75 cts.

SALPIGLOSSIS • Painted Tongue

Annual. Funnel-shaped blooms have veinings through the groundwork. Sow in open in spring, or earlier indoors, and transplant.

Superbissima Hybrids

ORCHID-FLOWERING (Height 3 feet)

Brown and Gold	Purple and Gold
Crimson	Scarlet and Gold
Light Blue and Gold	Rose and Gold
Primrose	Velvety Violet

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

COLLECTION: Pkt. each, above 8 colors, \$1

Finest Mixed. A mixture of all the above shades. Pkt. 10c., 1/4oz. 50c., oz. \$1.50.

New Dwarf Giant-flowering

Height 2 feet

Khaki Yellow	Brown and Gold
Lilac, Red Throat	Velvety Crimson
Blue and Gold	Scarlet and Gold
Bright Scarlet	Blue and Silver
Red Star Chamois	

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

Dwarf Giant-flowering, Mixed. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

SALVIA • Scarlet Sage

Annuals, except where otherwise noted

Familiar bedding plants, covered with bloom throughout the summer. Sow seeds from February to April indoors.

Ostrich-Plume (Double Salvia). The habit resembles the Splendens type but the bush is well covered with plumes of blossoms. As a cut-flower, one of these scarlet plumes alone makes a delightful decoration. 2 ft. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$2.

Harbinger. A true, dwarf, large-flowering Salvia which commences blooming in July from early-sown seed. It makes beautiful symmetrical plants about 15 inches high, and is densely clothed with long sprays of large, brilliant scarlet flowers. Pkt. 35 cts., 1/8oz. \$2.50, 1/4oz. \$4.

America or Globe of Fire. The bushy plants do not grow over 15 inches high, with the large spikes of brilliant scarlet flowers thrown well above the plant, making a total height of about 2 feet. Pkt. 35 cts., 1/8oz. \$2.50, 1/4oz. \$4.

Scarlet Dragon. Improved Splendens type; flowers are nearly double the size, closely crowding the immense spikes. 2 1/2 ft. Pkt. 25 cts., 1/8oz. \$2, 1/4oz. \$3.50.

Splendens (Scarlet Sage). Bright scarlet. 2 1/2 ft. Pkt. 15 cts., 1/4oz. \$1.50, oz. \$5.

Bonfire. Compact bushes produce brilliant scarlet flowers. 2 1/2 ft. Pkt. 15 cts., 1/8oz. \$2, 1/4oz. \$3.50.

Zurich. Valuable because of its earliness. 2 ft. Pkt. 35 cts., 1/8oz. \$2.50, 1/4oz. \$4.

Blaze of Fire. The dwarfest of all bright scarlet Salvias, and by far the most brilliant. Ten to fourteen days earlier than the varieties used hitherto. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25, 1/8oz. \$3.50.

The Welwyn Salvias

These are 3 feet high and are entirely covered with large blooms. Invaluable for green-garden effect before the blooming period. To get the best results for late autumn bloom plants should be pinched back.

Welwyn Pink. A charming hue.

Welwyn White. Perfect pure white.

Each, pkt. 50 cts., 3 pkts. \$1.25

Purple Splendens. Uniform; covered with purple flowers. 2 1/2 to 3 ft. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$2.50.

Sclarea (Clary). *Perennial, treated as an Annual.* Curious lavender bracts. 2 ft. Pkt. 15 cts., 1/8oz. 50 cts.

Salvia farinacea

Perennial, treated as an Annual

Sow in April to bloom July to October.

Farinacea. Light blue. 2 1/2 ft. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Blue Bedder. Compact, and deeper blue. 3 ft. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Royal Blue. *New.* Tall bushy plants, with intense blue flowers. 2 1/2 to 3 ft. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$1.50.

SAPONARIA ocymoides. *Perennial.* Hardy rock-plant; masses of small pink flowers. 9 in. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Vaccaria, Rose. *Annual.* Satiny pink flowers somewhat like an enlarged gypsophila. 2 ft. Pkt. 10 cts., oz. 30 cts.

Vaccaria, White. Pkt. 10 cts., oz. 30 cts.

SANVITALIA procumbens fl.-pl. *Annual.* Useful in beds, edges of borders, or in vases. Showy, double, yellow flowers. 6 in. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

SAXIFRAGA cordifolia. *Perennial.* Well-known rock-garden plant with pink flowers. 9 in. Pkt. 50 cts., 3 pkts. \$1.25.

SCABIOSA

Mourning Bride; Pincushion Flower

These beautiful annuals grow about 2 1/2 feet high and bloom from early in July until frost. As a flower for cutting they are very popular, and equally so for borders or beds. Sow seeds in the open in spring.

Tall Annual Varieties

COLLECTION No. 27B: Pkt. each 6 sorts below marked (*), 60 cts.

***Blue Moon.** The large, double flowers are cone-shaped, 2 3/4 inches in diameter, and are a rich deep lavender-blue color. Invaluable for the home-garden and as a florists' cut-flower. Large columnar plants, 3 1/2 ft.

Cattleya. A new shade—rich rosy lilac of the beautiful orchid tone. Large flowers.

Loveliness. The blooms range through varying tones of soft delicate rose. Unsurpassed as a cut-flower, having long, stiff stems and delightful fragrance.

Peach Blossom. New shade of peach-blossom-pink. Flowers large, borne on long stems, and excellent for cut-blooms. "Highly commended" by the R.H.S. (Eng.).

***Rosette.** Beautiful deep rose, suffused with salmon; extra-large flowers.

***Salmon Beauty.** Vigorous plant and enormous flowers. Color is pure salmon.

***Shasta.** Pure white, with immense blooms 3 to 4 inches in diameter.

Orchid Shades, Mixed. Blooms are large and on long stems; colors include mother-of-pearl pink, light pink, dark pink, mauve, crushed strawberry, and others.

Above 8, each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

Distinct Colors

King of the Blacks. Purplish black.

***Rich Red** ***Yellow**

Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50

Tall Mixed

Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25

Semi-Dwarf Varieties

Heavenly Blue. Ideal bedding variety because the plants are compact and the flowers are on short stems. They are cone-shaped and azure-blue. 1 1/2 feet.

Midnight. Dark maroon—almost black. Other than in color this fine new variety is identical with the variety below.

Peace. Fully double, white; ideal for displaying with a dark sort. Beehive-shaped flowers are 1 3/4 inches across.

Above 3, each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

Perennial Varieties

Giant Hybrids (Isaac House Strain), Mixed. Larger flowers on longer stems. The colors are varied: lilac, lavender, violet, purple, mauve, light and dark blue, and white. 3 ft. Pkt. (50 seeds) 35 cts., 1/8oz. \$1.25, 1/4oz. \$2.

Caucasica (Blue Bonnet). Especially valuable for cutting; lilac-blue. 3 ft. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Caucasica alba. Beautiful white form. Pkt. 50 cts., 3 pkts. \$1.25.



Schizanthus, Giant-flowering Hybrids

SCHIZANTHUS

Fringe Flower; Butterfly Flower

Annual. Pretty, irregularly shaped, notched and blotched flowers, like small butterflies. Grown largely as a greenhouse plant, also of easy culture outdoors.

Canadian Super-Giants. Blooms 2 inches across. Rich colorings and unusual markings; distinct. Pkt. \$1, 3 pkts. \$2.50.

Giant-flowering Hybrids, Mixed. Used by many professional gardeners and florists as a splendid pot-plant and cut-flower. 15 in. Pkt. 50 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Pansy-flowered. Medium-sized round flowers shaped like a pansy. In self colors, each with a light center; fine color-range. 14 in. Pkt. 50 cts., 3 pkts. \$1.25.

Snowflake. Large, pure white, fringed flowers. Pkt. 50 cts., 3 pkts. \$1.25.

Wisetonensis. Beautiful appearance, with its myriads of blooms, the ground-color of which is white, dotted with rose. 15 in. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.

SENECIO elegans (Purple Ragwort). *Annual.* Groundsel-like lavender flowers. 2 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

SHAMROCK. (True Irish.) Sow under glass around January 10 to have a supply of plants in pots by March 17. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

SIDALCEA (Checkerbloom). *Perennial.* Erect, mallow-like plants of easy culture. **Stark's Hybrids.** Brightly colored. Useful for cutting. Pkt. 15 cts., 1/4oz. 50 cts.

SILENE Schafta (Autumn Catchfly). *Perennial.* Pink flowers from July to September. 4 to 6 in. Pkt. 15 cts., 2 pkts. 25 cts.

SMILAX (*Asparagus asparagoides*). *Greenhouse Climber.* Sow in February; pot and plant into benches in June. Provide wires on which plants can twine. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

SOLANUM Capsicastrum (Jerusalem Cherry). *Greenhouse Plant.* Dwarf, branching plants; bright scarlet globular berries. 1 ft. Pkt. 15 cts., 2 pkts. 25 cts.

Capsicastrum, Fra Diavolo. Compact growth with smaller and lighter foliage. Pkt. 25 cts., 5 pkts. \$1.

Clevelandi. Small, ovate leaves and a profusion of round scarlet fruits. Pkt. 25 cts., 5 pkts. \$1.

STAR OF TEXAS (*Zantbisma texanum*). Sow in spring, thin or transplant to 1 foot apart. Grows 1 1/2 feet high and produces showy yellow daisy flowers 2 inches across with narrow florets. Good for poor soil. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$1.50.

STEVIA serrata (*Piqueria trinervia*). *Greenhouse and Bedding Plant.* Fragrant, pure white flowers. Excellent for cutting. 2 ft. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.75.

STOCKS

Fragrant and showy plants of simple culture. For the garden and greenhouse.

Early Giant Imperial Stocks

These bloom very quickly and continue through the summer. Plants are of branching habit, 2 to 2 1/2 feet high.

***Antique Copper.** Rich hellebore-red, overlaid with copper. Fully double.

***Buttercup.** An improved new yellow Stock of a rich deep tone.

***Elk's Pride.** An intense royal purple; sweetly perfumed, double flowers.

***Shasta.** A new, glistening, giant white, with longer stems and more blooms to the stem.

***Chamois-Rose** **Blood-Red**

Apple Blossom **Deep Rose**

Dark Blue **Mixed**

***Lavender**

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.75

COLLECTION:

Pkt. each of 6 varieties marked*, \$1.25

NON-BRANCHING or COLUMNAR TYPE. For greenhouse forcing. A high percentage of double flowers are carried on the handsome, single-stem plants. 3 feet. **Gardenia.** Waxy white.

Yellow Wonder. Cream-yellow.

Chamois-Rose **Pure White**

Crimson **Ruby**

Deep Rose **Silvery Lilac**

Lilac-Lavender **Mixed**

Moonlight. Yellow.

Each, pkt. 75 cts., 3 pkts. \$2

SUPER-GIANT IMPERIAL STOCKS. Basal-branching, each plant produces twelve giant flower-spikes. Individual florets are double and 2 inches across. Height, 3 feet.

Fiery Red. Each plant produces a dozen or more spikes, with double, flame-color flowers.

Blush-Pink **Rose Charm.** Rich deep rose. **Dark Blue** **Roselight.** Rose-pink.

Above 5, pkt. 35 cts., 1/8oz. \$1.50, 1/4oz. \$2.75

Giants of California

Ideal new greenhouse type with long flower-spikes. 70% double-blooming plants may be looked for. Quick-growing, immense florets, and especially good colors.

Mojave. The deep velvety purple flowers are double.

Monterey. Beautiful pink; splendid variety.

Golden Gate. Yellow. **Pacific.** Blue.

Redwoods. Blood-red. **Tahoe.** Lavender.

Santa Barbara. Chamois. **Yosemite.** Rose.

Santa Maria. White. **Mixed.**

Sequoia. Rose-carmine.

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.75

STATICE (Sea Lavender). *Annuals except Caspia, which is perennial; Everlasting.* Cloud-like flowers make borders gay, while they blend well with other Everlastings in winter. Sow outdoors in May. **Sinuata, Kampf's.** Large blue flowers. Pkt. 15 cts., 1/4oz. 35 cts., oz. \$1.25.

Sinuata, Rose Superba. Rose; 2 ft.

Sinuata, Mauve. 2 1/2 ft.

Sinuata, White. Excellent for dyeing.

Sinuata, Yellow (*S. Bonduelli*). 3 ft.

Sinuata, Mixed.

Suworowi. Cloud-like masses of rose; 2 ft.

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Caspia. Pyramidal habit; graceful. Lavender-blue flowers. 2 1/2 ft. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.



Stocks, Early Giant Imperial

Special Cultural Note

Stocks for outdoor blooming should be sown early so as to reach the bud stage before the average temperature exceeds 60° F., otherwise the bud very often will not develop and an excessive leaf-growth will result.

ALPINE STRAWBERRIES. From Seed.

An abundance of small but exceedingly sweet berries may be obtained within 12 weeks of sowing seed. Sow indoors in February or March; keep moist and shaded. Plant out in early May.

Baron Solemacher. Red fruits.

Baron Solemacher. Yellow fruits.

Each, pkt. 35 cts., 3 pkts. \$1

Plants of **Alpine Strawberries** (red fruits only), ready April 1, \$1.75 per doz., \$3 for 25, \$10 per 100.

STRELITZIA Reginae (Bird-of-Paradise).

Majestic greenhouse perennial with remarkable orange and blue flowers. 6 ft. Pkt. (10 seeds) \$1.50.

TAGETES signata pumila, Little Giant.

Compact annual, with fern-like leaves and bright yellow flowers, striped brown. 10 in. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Gnome. A large-flowered variety with beautiful golden yellow flowers. 6 in. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

TAHOKA DAISY.

Sow in the open in early spring to produce plants which will bear 1 1/2-inch blue daisies from July to October. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

TEUCRIUM Chamædrys (Germander).

Perennial. Glossy gray foliage and small pink flowers. 8 in. Pkt. 25 cts., 5 pkts. \$1.

THALICTRUM dipterocarpum (Meadow Rue).

Perennial. Attractive in the garden and invaluable for cutting. Flower sprays are violet-mauve, brightened by a cluster of lemon-yellow stamens. 3 ft. June, July. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

THERMOPSIS.

Perennial. Striking plant; long spikes of yellow blossoms. June, July. **Caroliniana.** 4 ft. Pkt. 25 cts., 5 pkts. \$1.

SOW YOUR NEW LAWN with STAIGREEN. The best mixture of grass seed for general home turf. One pound sows 200 square feet, and costs 80 cts.

THUNBERGIA, Mixed (Black-eyed Susan). *Annual Climber.* Beautiful, rapid-growing climber, preferring a warm, sunny situation. Very pretty flowers in buff, white, orange, etc., with dark eyes. Used extensively for hanging baskets, vases, low fences, etc. All colors. 4 ft. Pkt. 10 cts., 1/4oz. 50 cts.

TITHONIA speciosa (Mexican Sunflower). *Annual.* Early-flowering. Sow in spring outdoors, or earlier indoors for transplanting. Shrub-like plant of enormous dimensions, and the orange-colored, daisy-like flowers are 3 to 4 inches in diameter. 8 ft. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

TRITOMA, Mixed Hybrids (Flame-Flower; Poker-Plant; Torch-Lily). *Perennial.* Spikes of dazzling tubular flowers. Will live through winter with a covering of leaves; or the roots may be carried over in sand in a cellar. Pkt. 15 cts., 1/4oz. 75 cts.

TROLLIUS (Globe Flower). *Perennial.* Immense buttercups. May-Aug.

Golden Queen. Enormous, flowers 4 inches across. 4 ft. Pkt. 35 cts.

Mixed. Shades of orange, yellow and gold. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Early- or Winter-Flowering Sweet Peas

Popular as greenhouse subjects, they may be sown also in the garden in spring for earliest bloom outdoors. They are particularly adapted to sections where the Summer-flowering Spencer varieties have not proved satisfactory. In our southern states, if sown during the early fall months, they will produce flowers during the winter and continue until killed by the heat of summer.

Early Geranium. On a clear cerise is an overlay of salmon. The flowers are often duplex, always large, and on very long stems. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Azalea Pink. Large blooms, chamois-pink in color, warm and positive, are carried on long, strong stems. Distinct and superior variety.

Early Daphne. Usually carries four flowers on a stem. In color it is a soft salmon-pink on a deep cream ground. Awarded Silver Medal, New York Flower Show.

Hortus Queen. Robust sort, developing long, strong stalks, bearing the most perfect Spencer blooms, strongly ruffled and bright rose on a light yellow ground. Wonderful under artificial light.

Pearl Buck. Beautiful rich rose, with an orange suffusion on the standards which are duplexed.

Peeress. Thrifty plant, developing a large crop of blooms, mostly four on a stalk. Charming tint of bright rose-cerise.

Princess Blue. Vigorous, husky growth is characteristic of the vines; they carry large, bold flowers of a rich belladonna-blue.

Red Giant. True crimson flowers, with the luster and warmth of an orange-scarlet. The best of this class introduced to date, for there is only a minimum amount of white on the base of the keel.

Treasure Island. Orange blooms are semi-duplexed, 2 1/2 inches across, often 4 on each 15-inch stem.

White Giant. Purest white flowers, large and waved. White seed.

World's Fair. Flowers ruffled and mostly duplexed. Color is bright gold, overlaid with fawn, giving a light fawn-pink effect.

Other Good Sorts

Blue Bonnet. Clear deep blue.

Early Majestic Rose. Deep rose-pink.

Early Mars. Ox-blood-crimson.

Evening Star. Orange-scarlet.

Iris Blue. Deep blue; wings lighter.

Lavanda. Pure lavender.

Shirley Temple. Soft rose-pink.

Tahoe. Mid-blue.

Top Hat. Deep violet.

Valencia. Bright orange; sunproof.

Virginia. Rose on white ground.

White Harmony. Fine black-seeded white.

Early-flowering Mixed.

All above Sweet Peas, except where noted, each, pkt. 15 cts., 1/2oz. 35 cts., oz. 60 cts.



Spring-Flowering Sweet Peas

These fine new varieties come into flower more quickly than the Summer-flowering Sweet Peas, but take several weeks longer than the early-flowering or greenhouse types. They may be grown either outdoors or under glass with equal ease. They stand heat better; the flower-stems are long and the blooms are large and fluted.

The first colors to be developed were rose-pink, blue and lavender; they were All-America winners when introduced three years ago. Other equally meritorious colors have been added since.

Black-Seeded Cream. Beautiful, large, pure, deep cream blooms on long stems. Vigorous plant, staying in bearing well.

Black-Seeded White. The large blooms on long, strong stems are pure white. Ideal commercial sort for growing under glass, as well as for professional and amateur culture indoors.

Deep Maroon. The large flowers are a dark, smoky chocolate with a silken overcast, producing an effect that is most striking. A long-bearing, vigorous plant. The blooms usually appear in fours on long stems.

Light Blue. The flowers appear mostly in fours on very long stems and are a clear, silvery light blue. Husky plant.

Light Carmine. Long stems carry four fair-sized handsome blooms. On a base of cream there is an overtone of carmine and rose-pink, producing a wonderful effect under electric or candlelight.

Light Cream-Pink. Particularly strong-growing plants, bearing an abundance of huge flowers on long stems. On a cream or yellow undercoat is spread a delicate apple-blossom-pink.

Navy Blue. Here is the actual naval shade of deep, true blue in large, wide-open flowers; they are set on stems that will surprise you because they are so long.

Purple. A regal shade of purple, glossy, glowing rich and clear. Four-bloom sprays on long stems are the usual thing. Husky plant.

Above 8, each, pkt. 25 cts., 1/2oz. 60 cts., oz. \$1

Rose-Pink

Lavender

Clear Pink

Mauve

Blue

Mixed

Above 6, each, pkt. 15 cts., 1/2oz. 60 cts., oz. \$1

COLLECTION No. 36SP: One pkt. each of the above 8 colors, \$1.50

Summer-flowering Sweet Peas (OUTDOOR CULTURE)

Sow as soon as the ground can be worked. Dig a trench about a foot wide and deep, fill with soil and rotted stable manure in equal parts, or soil with one-third Humus mixed with it and some General Garden Fertilizer added. Tread firmly. Make a single groove about $\frac{3}{4}$ inch deep; sow seeds every 2 inches, and cover. When the plants are 3 to 4 inches, thin to 6 inches apart. Supports 4 feet or more high should be provided.

The Sweet Pea is a moisture-loving plant, and by May the plants will require water. Dress with Mulch-o-Nure, old stable manure, Sawco-nure or peat-moss and soak well as needed.

- ***Affection.** Very sweet and graceful, coral-pink on cream, growing strongly and producing its flowers on long stems.
 - ***Ambition.** One of the best of the large-flowered lavender sorts. Waved flowers.
 - Bountiful.** Fine new Multiflora type, bearing sometimes 7 large flowers on long stems. Mid-blue; silver-blue at the margins.
 - ***Capri.** Perhaps the finest light blue ever introduced. The color is clearer and the flowers are larger than existing varieties.
 - Charity.** Splendid rich brilliant crimson which does not burn in the sun.
 - ***Chinese Blue.** Both standard and wings are deep blue. Stems are exceptionally long and usually bear four flowers. Strong-growing; blooms larger than average.
 - ***Crony.** Robust golden salmon. Certificate of Merit, Scottish Sweet Pea Society.
 - Daddy Long Legs.** Veined and flushed bright scarlet. Strong plant and the stems, each with four flowers, are very long.
 - ***Diana.** Immense flowers, in color a delicate rose-pink on a cream ground. They are duplexed and are carried on long stems.
 - Discovery.** The color is very bright and deep chamois-pink; blooms are enormous.
 - ***Golden Dragon.** Duplex sort of great merit. The standard is bright orange while the wings shade to a deeper orange-rose.
 - ***Grandeur.** Shell-pink on white. The vigorous plant blooms continuously.
 - Ideal.** Won Certificate of Merit, Scottish Sweet Pea Trials. Usually has four big rose-cerise duplexed blooms on wiry stems.
 - ***Mastercream.** The stems are long; beautifully frilled flowers, most of which are duplexed and cream in color. Black seed.
 - ***Model.** Large-flowering white with long stems. Blossoms are well waved. Black seed.
 - Pinkie.** Strong stems bear a profusion of flowers all season. Deep rose-pink.
 - ***Prolific.** Multiflora type. Clusters of 5, 6, or 7 medium-large flowers. Standards rose-pink, outside of wings a shade deeper.
 - Rarity.** On a white ground, the standard and wings are faintly flaked, while the back of the standards and wings are almost solid orange-cerise.
 - Royal Purple.** The finest rich purple. Large-flowering.
 - Ruffled White.** A chaste white flower, frilled and ruffled. Splendid novelty, and invaluable for the grower of cut-flowers.
 - Salmon Gigantic.** The plant is vigorous and the flowers are enormous, waved and frilled. A delicate salmon-pink hue.
 - The Sultan.** Almost black—deep silky maroon. Large flowers on long stems.
 - ***Welcome.** Brilliant and dazzling scarlet self. Wings are the same shade as the standard.
- Above Sweet Peas, each, pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.35

Grand Prize Mixture Giant Summer-flowering Sweet Peas

We have made a carefully balanced selection of the best varieties of Summer-flowering Sweet Peas for this mixture, using the finest ruffled and long-stemmed sorts. Recommended for general use and garden display.

Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.75.

Sweet Pea Collections Twelve Outstanding Varieties

One packet each of the recent introductions of merit, distinguished in the preceding list with an asterisk (*)... \$1.00

Ten Distinct Colors

For the gardener who desires to grow the best Sweet Peas, but is not interested in names. Each is the most pleasing of its color, with long flower-stalks, suitable for house decoration. Each is robust, and a sort which, under favorable conditions, produces sprays of three or four blossoms.

Cream	Cream-Pink	Scarlet
Lavender	Blue	Salmon-Pink
Purple	White	Carmine
	Light Pink	

Each, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25

SPECIAL COLLECTION 75c
One pkt. each of these 10 distinct colors

SWEET WILLIAM (*Dianthus barbatus*)

Biennial. Flowers second season from seed. Sow outdoors in May; transplant in August.

TALL VARIETIES. $1\frac{1}{2}$ ft.

Single White. **Single Dark Crimson.**

Each, pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1

Single Tall, Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Double Tall, Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Newport Pink. Fine watermelon-pink. $1\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Scarlet Beauty. Rich, deep scarlet; vivid. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Holborn Glory. Large auricula-eyed flowers. All show a clear white eye; truly superb. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

DWARF VARIETIES. 9 in.

Single Dwarf, Mixed.

Double Dwarf, Mixed.

Above 2, pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2

Annual Sweet Williams. Sown indoors during March, these will bloom freely the first year. 9 in. Mixed colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

TUNICA Saxifraga (Tunic Flower). Spreading perennial for the rock-garden and for edging. Covered with small lilac-pink blossoms. 8 in. Pkt. 35 cts., 3 pkts. \$1.

URSINIA anethoides (*Sphenogyne anethoides*). Annual. Excellent for edgings. The orange, daisy-like flowers have purple and black centers. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

New Hybrids, Mixed. Annuals. $1\frac{1}{2}$ ft. Flowers are orange; color around the disk varies from ruby-red to dark purple. Pkt. 20 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 90 cts.

Aurora. Bright orange corolla; deep crimson inner ring. Pkt. 50 cts., 3 pkts. \$1.25.

VALERIAN (Garden Heliotrope; Heal-All). Perennial. Pinnate foliage; panicles of scented flowers in June and July. 4 ft. **Mixed.** Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

VENIDIUM fastuosum. Annual. For the garden or for growth under glass. Daisy-like, orange flowers, 3 inches across, with black centers. 2 to 3 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.

VERBASCUM phoeniceum Hybrids, Mixed (Mullein). Perennial. Various shades from white through yellow to deep orange. 3 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts.

VERONICA spicata (Speedwell). Perennial. Useful border plant with spikes of bright blue flowers from July to September. 2 ft. Pkt. 15 cts., 2 pkts. 25 cts.

Incana. Perennial. Beautiful silvery leaves and spikes of brilliant blue flowers. 1 ft. Pkt. 35 cts., 3 pkts. \$1.

VINCA (Madagascar Periwinkle; Old Maid). Annual. Begins blooming in August from seed sown outdoors in May. 1 ft.

Alba. Pure white. **Rosea.** Rose.

Rosea alba. White with rosy eye.

Each, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50

Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

VIOLAS • Tufted Pansies

Perennial. Violas bloom for so long that they are often preferred to pansies.

Viola cornuta Hybrids

Blue Gem (Jersey Gem). Pleasing shade of deep violet-blue, with an occasional slight variation in tint. Will come about 70 per cent true from seed. 4 in. Pkt. 50 cts., $\frac{1}{8}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50, $\frac{1}{2}$ oz. \$6.

Lutea splendens. Glowing yellow.

White Perfection. Splendid white.

Above 2, each, pkt. 35 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50

Large-flowering Hybrid Violas

Arkwright Ruby. Terra-cotta on crimson. Fragrant. Pkt. 50 cts., $\frac{1}{8}$ oz. \$2.50.

Blue Butterfly. The color is a mid-blue shading to white. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$1.50.

Blue Perfection. Medium clear blue flowers so numerous that the plant is almost hidden. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$1.50.

Chantryland. Fine shade of apricot; the best in this color to date. Pkt. 50 cts., $\frac{1}{8}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

Papilio, Light Blue. Fine blue and white variety. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$1.50.

Finest Mixed. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

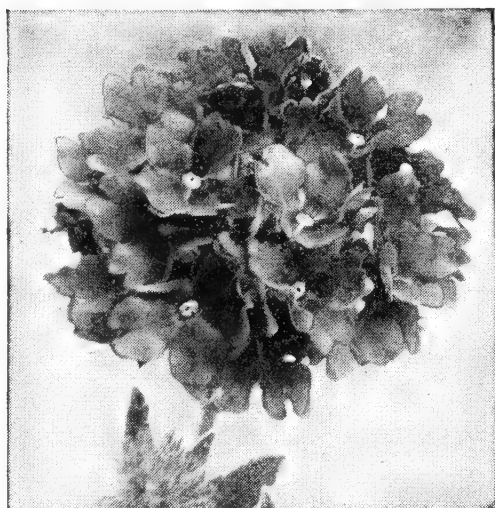
VIRGINIAN STOCKS. Annual. Gay in the period between spring and summer flowers. Their fresh, bright colors in lines and beds produce a charming effect. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts.

VISCARIA, TOM THUMB. Annual. The plants are compact and bushy and they bloom so freely as to be entirely covered. Flowers resemble single wild roses. 1 ft.

Blue Bouquet. Flowers are brilliant corn-flower-blue. Pkt. 35 cts., $\frac{1}{8}$ oz. \$1.

Rose Queen **Blue Queen**

Each of above two, pkt. 25 cts., 5 pkts. \$1



Verbena, Annapolis Blue

VERBENAS

Mostly creeping annuals with clusters of showy flowers. Sow in May, or earlier under glass. Thin to 1 foot.

Annapolis Blue. Beautiful mixture of shades of mid-blue, with no tendency to purple. Of spreading habit and the 3-inch clusters of flowers stand erect on foot-high stems. Their color varies within each cluster, but all the florets may be classed as mid-blue. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Floradale Beauty. Large clusters of flowers of beautiful rosy hues, with salmon-rose shades in the majority. Pkt. 50 cts., 3 pkts. \$1.25.

Beauty of Oxford Hybrids, Mixed. Vary from rose-pink to rose-red: the brightest rose-colored Verbena. Enormous flowers.

***Crimson Glow.** Fine crimson, pure, self-colored and without a white eye.

Etna. Vivid scarlet with small yellow eye.

Flamingo. Erect. Vermilion-pink. $1\frac{1}{2}$ ft.

***Lavender Glory.** Lavender with cream-white centers. Large blooms. (Not entirely fixed; still a few light colors.)

Luminosa. Shades of salmon, flesh, and coral on a ground of flame-pink.

***Royale.** Royal blue, primrose-yellow eye.

***Salmon-Pink.** Even tone of salmon-pink.

Spectrum Red. Wonderful dazzling color.

***White King.** Pure white.

Above 10, pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50

COLLECTION: 5 pkts., one each marked *, \$1

Giant-flowering, Mixed. All shades. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Miniature Types 6 to 9 in.

Miniature, Mixed. These form mats 10 inches across, covered all summer with large flower-heads. All colors. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Various Verbenas

Bipinnatifida. A foot-high cushion with clusters of lilac-purple flowers. Perennial. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Bonariensis. Tall perennial producing rosy lavender flowers on long stiff stems; sweetly perfumed, and valuable for cutting. $4\frac{1}{2}$ ft.

Erinoides (Moss Verbena). Moss-like spreading foliage and purplish blue blossoms.

Venosa (Hardy Garden Verbena). Purple flowers all summer. 1 ft.

Above 3, pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., oz. \$2

The Gorgeous Zinnia • Youth and Old Age (ANNUAL)

Seed may be sown in a hotbed or sunny window and transplanted, or sown later in the open ground. The plants flower early in the summer and keep on blooming until hard frost.

Giant Double Dahlia-flowered

Mammoth flowers average 6 inches across by 3 to 4 inches in depth, similar in shape to the decorative dahlia. 3 ft.

***Canary Bird.** Clear yellow.

***Crimson Monarch.** Flaming crimson.

***Dream.** Deep lavender-blue.

***Exquisite.** Light rose.

Golden Dawn. A pure clear golden yellow.

***Oriole.** Orange and gold.

Polar Bear. Large; finest pure white.

Royal Purple. A deep, rich, regal purple.

***Scarlet Flame.** Bright scarlet.

Each, pkt. 20 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2

Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, 6 marked *, \$1, $\frac{1}{4}$ oz. each, \$3.25

Mammoth California Giants

Plants grow 3 feet, and the double flat blooms often average 6 inches across.

Brightness. Bright pink.

Cherry Queen. Cherry-rose.

Enchantress. Light rose, deeper center.

Golden Queen. Lemon-orange.

***Miss Willmott.** Soft pink.

***Orange Queen.** Golden yellow.

Orange King. Cadmium or burnt-orange.

***Purity.** Pure white.

***Rose Queen.** Bright rose.

***Giant Scarlet Gem.** Glowing scarlet.

***Violet Queen.** Shade of violet.

Each, pkt. 5 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

COLLECTION: Pkt. each, 6 marked *, 75 cts.

Fantasy Zinnias

The lovely 3-inch blooms are shaggy, waved and frilled. 33-inch plants.

Wildfire. Intense scarlet.

White Light. Nearly pure white.

Orange Lady. A gay shade of bright orange.

Rosalie. Bright, intense rose.

Stardust. The waved and frilled flowers are a rich, deep gold.

Above 5, each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each above 5 colors, 60 cts.

Fantasy, Mixed Colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Dwarf Double-flowering

For borders or cutting. $1\frac{1}{2}$ ft.

Crimson **Canary-Yellow** **Salmon-Rose**

White **Golden** **Scarlet**

Pinkie. Rose-pink. **Mixed**

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

WALLFLOWERS

Fragrant, half-hardy annuals and perennials for early spring bedding. Perennial sorts are sown in summer and wintered in a cold-frame; annuals may be sown indoors in March.

Annuals

The flowers are equal in size to those of the perennial double varieties, and are perfumed.

Double Mixed. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Single Annual Mixed. Pkt. 10c., $\frac{1}{4}$ oz. 25c.

Perennials

Single, Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

MIDGET ZINNIAS. A dwarf type, excellent for cut-flower purposes. Some entrancing colors are to be found in this class.

***Canary Gem**

***Golden Gem**

***Salmon Gem**

***Scarlet Gem**

***Crimson Gem**

***Pink Gem**

White Gem

Mixed Gems

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2

COLLECTION: Pkt. each, 6 marked *, 60 cts.

CUPID ZINNIAS. Compact plants, less than 1 foot high; covered with small, button-like flowers. Excellent for edging.

Pixie. Bright yellow. **Tiny Tim.** Scarlet.

Snowdrop. White. **Cupid.** Mixed.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

Lilliput Zinnias (Pompon)

Black Ruby. Has $1\frac{1}{4}$ -inch blooms, on long stems; their color is a deep, velvety maroon. Very striking. 15 to 18 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Pastel Shades. Beautiful little ball-shaped blooms. In the mixture are apricot, peach, cream, shell-pink, salmon, rose, and orchid. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Scabious-flowered Zinnias (Beehive)

Howard Crested. The flowers are 4 to 5 inches across, with a rounded cushion-like center, surrounded by broad, flat guard florets. A blend of charming fresh colors. 3 ft.

Campfire. Blooms are of moderate size, and suitable for room decoration. They are a rich, dazzling scarlet. 2 to $2\frac{1}{2}$ ft.

Gloaming. Handsome plant with flowers of a deep rich orange.

Sunburst. The blooms are $1\frac{1}{2}$ to 2 inches across and are a pure, vivid, dazzling canary-yellow.

Crown o'Gold, Pastel Tints. Base of each floret comprising the flower is gold, but the other halves vary in color; in one flower it is pink or in another salmon or apricot, buff, peach, white or cream.

Above 5, each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2

Various Zinnias

Linearis. Growing 10 inches high and spreading 2 feet, within six weeks of sowing it is covered with medium-sized, single, daisy-like golden orange flowers. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Mexican, Mixed (Z. Haageana). Spreading plants with flowers suggestive of French Marigolds; some double, some single; many semi-double. Shades of yellow, red, or brown; also spotted and striped. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Pumila Picotee, Mixed. The petals are ruffled and curled, giving a light, dainty effect, and each is beautifully picoteed. All colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

XERANTHEMUM, Mixed. Annual; Everlasting. Edging plant. The dried flowers are useful for winter decoration. 2 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Collections of Flower Seeds

These Collections are time-saving, money-saving, and dependable. The packets which comprise them are from our regular stock and of full size. The seeds they contain are of high quality. They make ideal gifts.

COLLECTION No. 59A \$1.00

12 Packets, Most Popular Annuals

Alyssum, Little Gem	Mignonette, Allen's Defiance
Aster, Midseason, Gt. Azure-Blue	Nasturtium, Large-flowered, Dwarf
Candytuft, Hyacinth-flowered, White	Phlox Gigantea, Art Shades
Cornflower, Blue Boy	Salpiglossis, Brown with Gold
Hunnemannia (Yellow Tulip Poppy)	Shirley Poppy, All Shades, Mixed
Larkspur, Blue Spire	Zinnia, Dahlia-flowered, Mixed

COLLECTION No. 59B \$1.00

12 Packets Annuals for Rock-Gardens

Ageratum, Blue Perfection	Ice Plant
Alyssum, White Carpet	Linum grandiflorum rubrum
Brachycome, Mixed	Lobelia, Crystal Palace
Candytuft, Crimson	Portulaca, Single, Mixed
Dianthus chinensis	Stock, Virginian, Mixed
Dimorphotheca aurantiaca	Tagetes, Little Giant

COLLECTION No. 59C \$1.00

12 Packets, Annuals for Shady Gardens

Alyssum, Little Gem	Cynoglossum, Firmament
Antirrhinum majus, Mixed	Eschscholtzia, Mixed
Aster, Queen of the Market	Godetia, Dwarf Double, Carmine
Balsam, Double, Mixed	Lupinus, Annual, Mixed
Clarkia, Salmon Queen	Nicotiana, Crimson Bedder
Cornflower, Jubilee Gem	Petunia, Bedding, Mixed

COLLECTION No. 59E \$1.00

12 Packets, Annuals for Cut-Bloom

Antirrhinum, Tall, Mixed	Helichrysum, Double, Mixed
Arctotis grandis	Marigold, African, Mixed
Aster, Wilt-resistant, Late Br., Mixed	Scabiosa, Tall, Mixed
Calendula, Orange King	Stocks, Giant Imperial, Mixed
Cosmos, Early Express, Mixed	Sweet Peas, Spencer, Mixed
Gypsophila elegans alba	Zinnia, Dahlia-flowered, Mixed

COLLECTION No. 59G \$1.50

12 Packets, Most Popular Perennials

Alyssum saxatile	Dianthus, Double Plumarius, Mixed
Aquilegia, Long-spurred, Mixed	Digitalis, Giant Shirley, Mixed
Arabis alpina	Forget-me-not, Royal Blue
Chrysanthemum, Alaska (Shasta Daisy)	Gaillardia grandiflora, Copper-Red
Coreopsis grandiflora, Sunburst	Poppy, Oriental, Scarlet
Delphinium, Gold Medal Hybrids	Pyrethrum Hybrids, Single



COLLECTION No. 59H \$1.50

12 Packets, Perennials for Rock-Gardens

Alyssum saxatile	Dianthus Allwoodi, Mixed
Arabis alpina	Geum, Lady Stratheden
Armeria, Large-flowering Hybrids	Linum perenne, Blue
Campanula carpatia	Polyanthus, Giant, Mixed
Candytuft Gibraltarica	Poppy, Iceland, Single, Mixed
Cheiranthus Allioni	Saponaria ocyroides

COLLECTION No. 59K \$1.50

12 Packets, Perennials for Cut-Bloom

Aquilegia, Long-spurred, Mixed	Delphinium, Gold Medal Hybrids
Aster alpinus	Gaillardia, Copper-Red
Campanula persicifolia, Blue	Gypsophila paniculata
Centaurea americana	Myosotis, Blue Bird
Chrysanthemum, Alaska	Pyrethrum, Single Hybrids
Coreopsis grandiflora, Sunburst	Scabiosa caucasica

ORNAMENTAL GRASSES

COIX Lacryma-Jobi (Job's Tears). 3 ft. Dry flower panicles for winter decoration in the home.

ZEA japonica (Striped Corn). 5 ft. Handsome border plant.

The above are annuals; sow outside in spring, transplant or thin out when large enough to handle.

Each, pkt. 15 cts., 2 pkts. 25 cts.



Wallflower. See page 58.

FLOWER SEED MIXTURES

GLAMOUR GARDEN MIXTURE. Over 50 of the most striking annuals for cut-bloom. Pkt. 25 cts., 1/2 oz. 60 cts., oz. \$1.

WILD-FLOWER MIXTURE. Seeds of native plants. No garden hybrids or "tame" plants included. Suitable for broadcasting in odd corners, when hiking, etc. Pkt. 15 cts., oz. 60 cts., 1/4 lb. \$2, lb. \$7.50.

MIXED SEEDSMAN'S FLOWERS. All the varieties in our establishment are contained in this mixture, which is mostly an assortment of cultivated types. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

ROCK-GARDEN MIXTURE. Dwarf flowers, annual and perennial, suitable for the rock-garden. Sow it amid the rocks and boulders of your Westchester or Connecticut home. Plants seem spontaneously to appear some months later. Mix seed with fine soil, 1 ounce to a pailful, and broadcast the mixture freely. Pkt. 15 cts., 1/2 oz. 60 cts., oz. \$1, 1/4 lb. \$3.50, lb. \$10.

SEEDS OF CONIFEROUS TREES

Red or Norway Pine (*Pinus resinosa*). A native of the Northern States. One of our finest eastern trees. Pkt. 25 cts.

Western Yellow Pine (*Pinus ponderosa*). Native from British Columbia to Mexico and Texas; perfectly hardy in our eastern climate. Pkt. 25 cts.

White Pine (*Pinus Strobus*). One of the most widely distributed American trees, growing in all parts of the United States, except the Rocky Mountains. Pkt. 25 cts.

Colorado Spruce (*Picea pungens*). A Rocky Mountain type from which the finer varieties of Blue Spruce have been developed. Generally 50 per cent of the seeds will yield true blue trees. Pkt. 25 cts.

Sitka Spruce (*Picea sitchensis*). One of the finest of our native trees; used in airplane manufacture. Pkt. 25 cts.

American Coniferous Tree Seeds, Mixed. The above, and Pitch Pine, American Arborvitæ, etc. Pkt. 50 cts.

Are You Surprised at the Varied Character of Our Merchandise?

To be seen in our stores, but rarely offered elsewhere, are such unusual things as:

Best Victory Garden Vegetables (pages 2 to 24).

Foods for Epicures (pages 96 to 99)

The Tools and Gadgets (pages 101 to 110)

Not to forget the wonderful things you can plant to make your garden the sweetly restful place it can be—**Scented Geraniums, fragrant Herbs, gorgeous Lilies, charming Roses, plants for the Old-Fashioned Border** and the like. Pages 23, 66, 70, 86, and those mentioned in opposite column will especially interest you.



Amaryllis

AMARYLLIS

S. & W. Co.'s Giant Hybrids

For the conservatory, greenhouse, or window-garden. Our strain produces vigorous stems with from four to six blooms of perfect form and wonderful color combinations. Pot up the bulbs and water well; store in a cool, dark place for a month; then bring to the light. They bloom in 6 to 8 weeks.

Pots may then be set outdoors to allow the foliage to die down; bring them indoors in November to start for the next season.

May also be grown in the open. Plant from mid-May on, and lift the bulbs in October.

Crimson

Scarlet

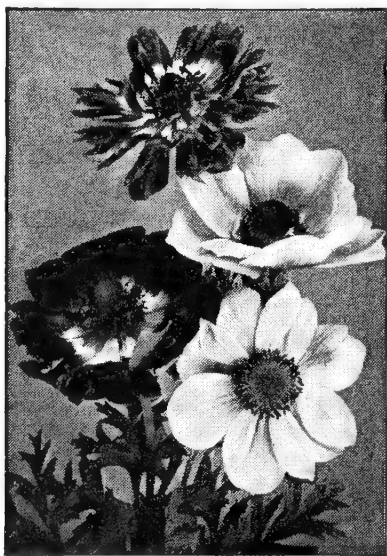
Either, large bulbs, \$1 each, \$9.50 per 10

Mixed Colors. Combination of above colors with an occasional orange, rose or salmon shade. 75 cts. each, \$6.50 for 10.

Many Vegetables may be grown among your flowers with pleasing effect. Some of the decorative ones are beet, carrot, chard and parsley; these will add charm and produce food—and food will win the war.

ANEMONE

Excelsior Mixture. Of the St. Brigid type, but taller; nearly all are single. The mixture contains fine shades of blue, white, scarlet and crimson, in a well-balanced mixture. 70 cts. for 10, \$6 per 100.



Anemone, Excelsior

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate, except where stated

BEGONIAS TUBEROUS-ROOTED

Provide a pan or box, and cover the bottom with one inch of sphagnum moss, placing the bulb on top and covering with another layer of sphagnum moss. They should be kept moist and moderately warm. As soon as roots appear, plant in pots in a light soil, one inch below the surface, and water cautiously until the plant has shown growth, then increase the amount. Good drainage is essential. Or the bulbs may be planted outdoors 8 inches apart in the latitude of New York about the middle of May. We offer large bulbs 1½ inches and up.

These beautiful subjects are especially valuable for planting in moist shaded areas.

Bulbs may be lifted in autumn, stored in a cool damp place over winter.

Double Carnation-flowered

Blooms 5 to 6 inches across. Brilliant as the jewels of an Eastern potentate, these flowers may be grown with surprising ease.

Apricot	Pink	White	Mixed
Crimson	Scarlet	Yellow	

Single Frilled and Ruffled

We offer this delightful new type as a pleasing variation to the plain-edged kind.

Apricot	Pink	White	Mixed
Crimson	Scarlet	Yellow	

Double Camellia-flowered

An improved double strain which greatly resembles the camellia in form of flower.

Apricot	Pink	White	Mixed
Crimson	Scarlet	Yellow	

A special Collection of these is offered on page 61

Multiflora

Plants are covered all summer with semi-double and double flowers of great brilliance, 2 to 3 inches across. Height 15 inches.

We offer a select Mixture of colors, consisting of Rose-pink, Salmon-orange, Red and White.

Bulbs of any of above four classes of Begonias, 35 cts. each, \$3 for 10, \$25 per 100

CALADIUM ESCULENTUM

Elephant's Ear

Frequently used as border plants about a residence, where their large, rich green leaves, often 4 feet long and 2½ feet wide, contrast with the colors of the dwelling. Plant outdoors from May 15 on.

	Each	10	100
Jumbo-size bulbs.....	\$0 35	\$3 00	\$25 00
Mammoth-size bulbs...	20	1 80	15 00

FANCY-LEAVED CALADIUMS

Foliage plants with rich and gorgeous, yet soft coloring. For the conservatory or for outdoor bedding in shady or semi-shady positions during summer. Bulbs do best if started in pots, planting one to a 6-inch pot, setting out in late May. Indoor culture similar to that of tuberous-rooted begonias.

These are illustrated in color on page 62.

	Each	10	100
Choice Named Sorts..	\$0 35	\$3 25	\$30 00
Splendid Mixture....	30	2 75	25 00



Caladium esculentum (Elephant's Ear)

CALLAS

Plant in the open border when danger from frost is over. When tops are killed by frost, dig and store same as Gladiolus. They are also excellent pot-plants.

Golden Yellow (Richardia Elliottiana). The best of the Yellow Callas, its flowers are as large as the popular white winter-flowering variety, and of a rich, lustrous golden yellow. The foliage is dark green, with a number of translucent creamy white spots. Shown in color on page 61.

	Each	10	100
Jumbo Bulbs.....	\$0 70	\$6 50	\$60 00
Mammoth Bulbs...	50	4 50	40 00
First-size Bulbs....	35	3 25	30 00

Pink (Zantedeschia Rebmanni). A lovely dwarf Calla. Rose-pink flower maturing cerise. Selected bulbs 60 cts. each, \$5.50 for 10, \$50 per 100.

CANNAS

Roots may be planted in 4- or 5-inch pots or shallow boxes in March or April and kept in a warm place to start them into growth. The started plants may be planted out about May 20 to June 10 in the vicinity of New York. Set about 2 feet apart. Dormant roots may be planted outdoors in May.

City of Portland. Deep rich pink. Green foliage. 5 ft.

Hungaria. Salmon-pink. Green foliage. 4 ft.

King Humbert. Flowers of gigantic size, brilliant orange-scarlet, with bright red markings. Foliage bronze. 5 ft.

Richard Wallace. Yellow. Green foliage. 5 ft.

The President. Rich glowing scarlet, with immense flowers 7 inches across. Foliage a rich deep green. 5 ft.

Yellow King Humbert. Flowers yellow, spotted red. Green foliage. 5 ft.

Mixed. All colors.

Selected roots, any of above, 15 cts. each, \$1.40 for 10, \$12.50 per 100

Bulbs

ARE EASY
TO GROW

MONTBRETIAS

Highly useful for cutting. In habit similar to Gladiolus, they bloom freely, and the colorings are bright and interesting. We offer a fine **Mixture**, including Golden Yellow, Scarlet, Deep Orange, and Orange-scarlet.

\$1.25 for 10, \$2.75 for 25,
\$10 per 100



MONTBRETIAS

BEGONIAS

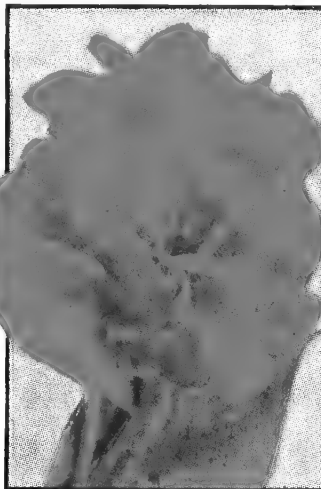
Camellia-flowered

These brilliant flowers, often 5 inches across, are easily grown. Merely plant outdoors from mid-May on, 8 inches apart and 3 inches deep. They flower earlier if you plant them in pots indoors in late winter and transplant in May. Good for shade.

Yellow (shown below) White Apricot
Scarlet Pink Crimson Mixed

Any of the above, 35 cts. each, \$3 for 10,
\$25 per 100

COLLECTION: Six tubers, one each of the six shades \$1.75



CANNAS

Plant outdoors in May, 2 feet apart, or earlier indoors in pots or boxes to be set out when frost is over.

Red Pink White Yellow
Orange Mixed

Any of the above, 15 cts. each,
\$1.40 for 10, \$12.50 per 100

ISMENE • Peruvian Daffodil or Pancratium Lily

Fragrant. Plant May 15 and lift in fall. Each 10 100
Mammoth bulbs.....\$0 25 \$2 25 \$20 00
Jumbo Bulbs.....45 4 00 35 00



OXALIS • American Shamrock

Plant along walks or edge flower-beds with them. The blossoms close, and the clover-like leaves fold up at night. 9 in. 35 cts. for 10, \$3 per 100, \$25 per 1000



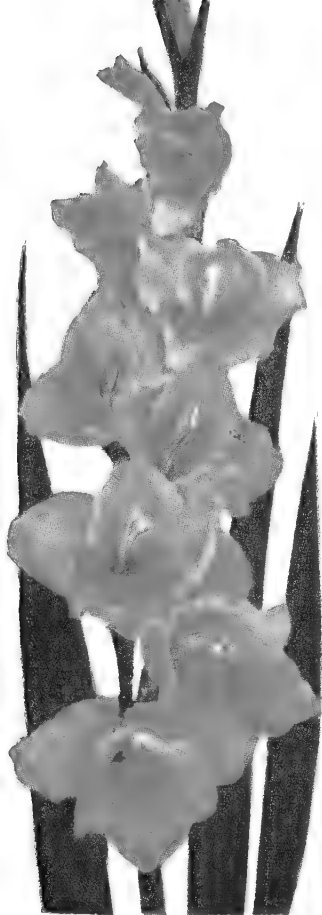
YELLOW CALLA LILY

Plant when danger of frost is over. Lift the tubers in the autumn. 35 cts. each, \$3.25 for 10, \$30 per 100.

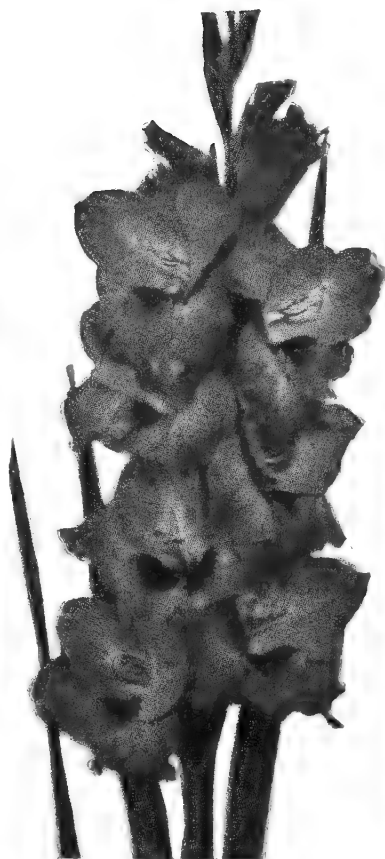
TIGRIDIAS • Mexican Shell Flower

Improved strain, mixed colors. Shown at right, and described on page 63. 80 cts. for 10, \$7 per 100.





PICARDY



PELEGRINA

GLADIOLUS

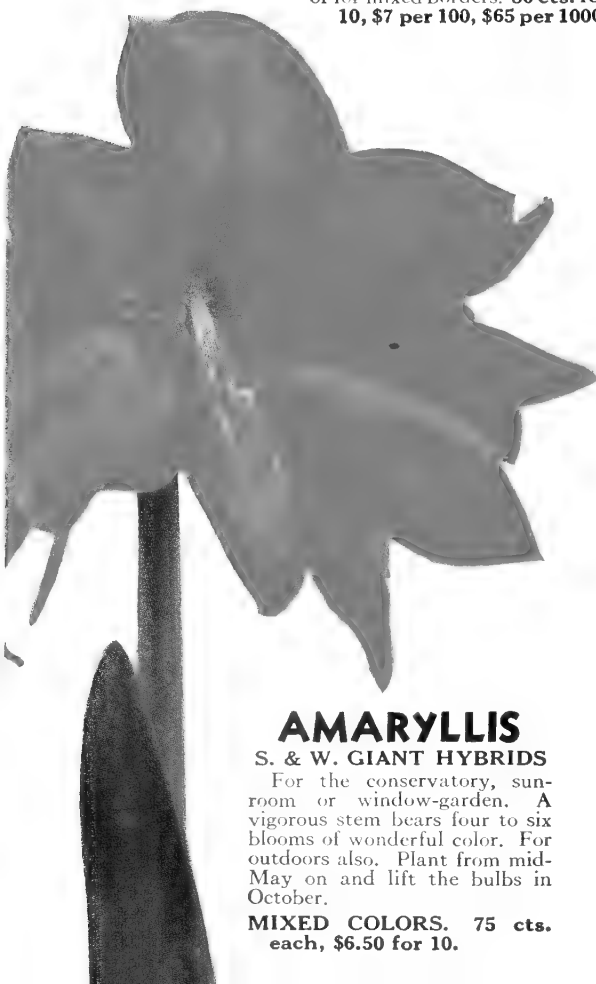
Immense blooms on straight 4-foot stems. Plant for a succession of flowers, beginning April 25 around New York and continuing to June 25. Effective in about 12 weeks. Dig up every autumn, keep from frost, and replant next spring.

PELEGRINA. The finest dark blue-violet variety, with large individual florets. **\$1 for 10, \$9 per 100.**

PICARDY. Apricot-pink, extremely large, somewhat ruffled and of heavy, wax-like substance. **\$1 for 10.**

GLADIOLUS IN MIXED COLORS

AMERICAN HYBRIDS. A splendid variety. Large, well-grown bulbs. Excellent for cut-flower purposes or for mixed borders. **80 cts. for 10, \$7 per 100, \$65 per 1000.**



AMARYLLIS

S. & W. GIANT HYBRIDS

For the conservatory, sun-room or window-garden. A vigorous stem bears four to six blooms of wonderful color. For outdoors also. Plant from mid-May on and lift the bulbs in October.

MIXED COLORS. 75 cts. each, \$6.50 for 10.

Lilies

THREE SPLENDID KINDS

Lilies are so beautiful, and many of them are so fragrant, that you may think they are hard to grow, but such is not the case with the three varieties shown here. Their culture is simple.

COLLECTIONS OF LILIES

6 bulbs, 2 of each (value \$1.70).....	\$1 60
12 bulbs, 4 of each (value \$3.40).....	3 15
24 bulbs, 8 of each (value \$6.80).....	6 00



CALADIUM

Fancy-leaved

For moist semi-shade outdoors and for the conservatory. Plant from May 1 on, or start them indoors in March for planting out later.

SPLENDID MIXTURE. 30 cts. each, \$2.75 for 10, \$25 per 100.



MINIATURE DAHLIAS

Only 3 feet tall, they need no stakes. Blooms less than 3½ inches across. For beds, borders or cutting.

***Bishop of Llandaff.** (Top.) 40 cts. each, \$3.60 for 10.

***Rosemary.** (Bottom.) 40 cts. each, \$3.60 for 10.

***Baby Royal.** Pink. 40 cts. each, \$3.60 for 10.

***Buckeye Baby.** Golden buff, 50 cts. each, \$4.50 for 10.

***Corinna.** Yellow. 40 cts. each, \$3.60 for 10.

***Princess Alba.** White. 50 cts. each, \$4.50 for 10.

***Red Robin.** Scarlet. 50 cts. each, \$4.50 for 10.

***Sylvia.** Deep red. 50 cts. each, \$4.50 for 10.

COLLECTIONS OF MINIATURE DAHLIAS

G. 7 roots, one each kind marked *	\$2 50
H. 14 roots, two each kind marked *	4 75



CORAL LILY (*Lilium tenuifolium*)

Selected bulbs, 25 cts. each, \$2.25 for 10, \$20 per 100
In gorgeous full bloom during June. 2 ft.



ROYAL LILY (*L. regale*)

Selected bulbs, 25 cts. each, \$2.25 for 10, \$20 per 100
In gorgeous full bloom during July. 4 to 6 ft.



SUNSET LILY (*L. pardalinum giganteum*)

Selected bulbs, 35 cts. each, \$3.25 for 10, \$30 per 100

In gorgeous full bloom during July. 5 to 8 ft

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate, except where stated

DICENTRA SPECTABILIS

Bleeding-Heart or Seal Flower

An old-fashioned favorite, with long racemes of graceful heart-shaped pink flowers that are always attractive. We offer only extra-strong clumps which will make fine specimen plants first year after planting. Clumps, 65 cts. each, \$6 for 10, \$55 per 100.

GLOXINIA

Handsome summer-blooming, tuberous-rooted plant. Ideal for pot-culture. Use care in watering and give good drainage. The cultural directions for begonias might also be followed for Gloxinias.

Sky Blue	Bright Red. Green foliage.
Deep Violet	Bright Red. Red foliage.
Dark Blue	Scarlet, White Band
Midnight Blue	Pure White
Pink	Spotted, Various Colors
Crimson	Choice Mixed

Any of above, 50 cts. each, \$4.50 for 10, \$40 per 100

GLORY LILY

Gloriosa Rothschildiana

Tuberous-rooted greenhouse climber; or may be grown outdoors, provided the roots are lifted before frost. The truly remarkable waxy, lily-like flowers are 3 inches across and have prominent curved stamens; perianth is crimson, banded with gold and near-white at the center, reflexed and waved.

Easy to grow; plant in a sunny position, and water generously in dry weather. Pinch to produce bushy plants for an unusual flower-bed. \$1 each, \$9 for 10, \$75 per 100.

SUMMER HYACINTH

Hyacinthus candicans

Luxuriant, free-growing, summer-flowering plant; spreads 2 to 3 feet, with spikes 4 to 5 feet in height, each bearing twenty to thirty large, greenish-white, bell-shaped flowers. 15 cts. each, \$1.25 for 10, \$10 per 100.



Hyacinthus candicans

ISMENE CALATHINA

Pancratium Lily; Peruvian Daffodil

A choice flowering bulb, blooming profusely during the summer. Clusters of large, strikingly fragrant, pearly white flowers. Bulbs should be planted out the middle of May; they will commence flowering in July. Before freezing weather sets in, they should be lifted and kept in a warm, dry place.

	Each	10	100
Jumbo bulbs.....	\$0 45	\$4 00	\$35 00
Mammoth bulbs.....	25	2 25	20 00

MADEIRA VINE

Climbing Mignonette. Will cover a large space in a short time. Fleshy heart-shaped leaves, and racemes of feathery fragrant flowers. Protect with litter in winter. 15 cts. each, \$1.25 for 10, \$10 per 100.

MONTBRETIAS

This delightful bulbous plant blooms from July until frost and is excellent for cutting. Bulbs should be planted outdoors during April and May. They require a protection of leaves or litter if planted in a permanent location.

Apricot Queen. Rich golden apricot. One of the first to bloom. Strong grower. 3 ft.

Comet. Large star-shaped flower of fine substance, rich deep golden orange, with a broad band of blood-crimson and a yellow center. Dark stems. 2½ ft.

His Majesty. A glorious variety. Flowers measure 4 inches across, deep velvety scarlet shading to gold; reverse of petals is crimson shading to gold. 4 ft.

James Coey. Large open flowers of rich vermilion suffused with golden orange; yellow center with crimson blotches. 3 ft.

Lady Wilson. Very large bright yellow flowers with an orange sheen. 3½ ft.

Red Knight. Large star-shaped flowers of rich vermilion, shading to gold at center, heavily overlaid with maroon; reverse of petals crimson and orange. 3 ft.

Any of above, 25 cts. each, \$2.25 for 10, \$20 per 100

Four Fine Standard Varieties

California. Deep golden yellow.

Fire King. Glowing scarlet.

Talisman. Deep orange.

Transcendent. Orange-scarlet.

S. & W. Co.'s Jewel Mixture. Contains yellow sorts of various shades, oranges, apricots and scarlets; many flowers are blotched with deeper colors.

Above 5, 15 cts. each, \$1.25 for 10, \$2.75 for 25, \$10 per 100

OXALIS

Excellent summer-blooming bulb; fine for edging the borders of walks or flower-beds.

American Shamrock. Pink flowers; clover-like leaves spotted maroon. Shown in color on page 61.

Deppei alba. Small white flowers. Mostly four-leaved-clover-like foliage. Ideal companion to the American Shamrock.

Above 2, 35 cts. for 10, \$3 per 100, \$25 per 1000

RANUNCULUS (Buttercup)

Tecolote Mixed. Giant double and semi-double flowers in orange, red, yellow, and pink. Plant bulbs during May; north of Washington they require a winter mulch. 75 cts. for 10, \$6.50 per 100.

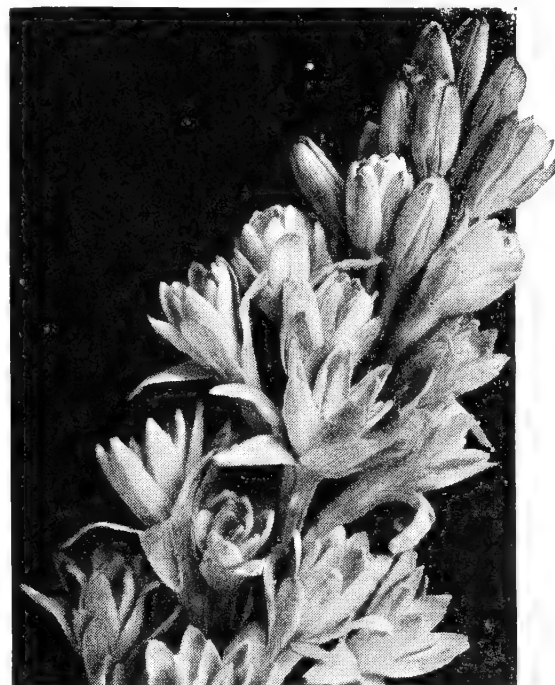
TIGRIDIA

Mexican Shellflower

This grows well in the open ground in summer as far north as New England and gives a continuous display. You will find an illustration in color of this plant on page 61.

CULTURE.—Give the bulbs the same treatment as gladiolus; that is, plant them 4 inches deep and at least 6 inches apart, any time after May 15. The plant thrives in a sunny situation but needs an abundance of water.

Our improved strain is a mixture including a wide range of colors—white with spotted cup, white with rose sheen, rose, yellow with suffusion of red, yellow with spotted cup, and brilliant scarlet. 80 cts. for 10, \$7 per 100.



Tuberose, Excelsior Double Pearl

TUBEROSES

Delightfully fragrant and beautiful. By skillful management a succession may be obtained the year round. For early flowers they can be started from February to April in the greenhouse or hotbed. For flowering later in the open, plant in May and June.

Excelsior Double Pearl. White; double-flowering. Jumbo Exhibition Bulbs.

Albino. A single white variety blooming in July or August.

Above 2, 15 cts. each, \$1.40 for 10, \$12.50 per 100,

ZEPHYRANTHES

These are very useful for the open border. They are easily managed, requiring the same treatment as the gladiolus, and can be planted at the same time, but more closely.

Rosea. Dark pink. 70 cts. for 10, \$6 per 100.

When you stake your
Gladiolus, fasten them with

PLANT TWISTS,

made of wire which bends easily,
plant is protected by soft fibers.

• **50 cts. per 100**

GLADIOLUS

*The Cream of the World's
Best Varieties*

CULTURE.—Any good garden soil will grow Gladiolus well, provided they are planted in a sunny location. Bulbs should be 4 inches deep and at least 6 inches apart; frequent cultivation with a hoe or a weeder, around the base of the plant, is advisable. For best results, we recommend plants being staked when one foot high. (We offer light green dyed bamboo canes, which are excellent for this purpose.) Water copiously, and as the flower-buds begin to form, apply liquid manure for exhibition spikes.

May be planted at intervals for a succession of bloom, and those held for planting should be kept cool. Patrons who plant late for September flowers may order in the spring; we will keep corms in cold storage and ship them when required, up to July 15, which, in the latitude of New York, is the latest advisable date to plant.

From planting-date, blooms appear in 10 to 11 weeks with early sorts, 12 to 13 weeks with midseason sorts, 14 weeks with late sorts

Sixty-four Fine Varieties Are Described Below

And to help you make your selection, we first list them under their respective colors

APRICOT, BUFF, CREAM
Donna
Duna
Miss New Zealand
Wasaga

BLUE, LIGHT
Ave Maria
Blue Beauty
Milford

BLUE, DARK
Blue Admiral
Pelegrina
Rudolph Serkin

CREAM-WHITE
Shirley Temple
Wanda

PINK and SALMON
(With decided blotch)
Beacon
Mrs. Frank Pendleton

SALMON-PINK
King's Ransom
Mildred Louise
Mr. W. H. Phipps
Oregon State
Picardy
Pink Paragon

ORANGE

La Fiesta
Louis d'Or
Orange Imperator
Orange Princess
Smiling Maestro

LAVENDER-PINK

King Arthur
Minuet

LIGHT PINK

Colossus
Margaret Fulton
Mrs. T. E. Langford
Rosa van Lima

SCARLET

A-Flame
Dr. F. E. Bennett
Excellence
Pfitzer's Triumph
Wurtembergia

RED—Amador

American Commander
Commander Koehl
Flaming Meteor
Red Lory
Red Phipps
Rewi Fallu
Valeria

WHITE—Albatross

Maid of Orleans
Mammoth White
Margaret Beaton
Polar Ice
Star of Bethlehem
White Butterfly

PURPLE

Charles Dickens
Gertrude Swenson
Paul Pfitzer

YELLOW

Gate of Heaven
Golden Dream
Loyalty
Souvenir
Yellow Emperor

ART SHADES—Bagdad

Marmora
Mother Machree
Vagabond Prince
Zuni

A-Flame. *Scarlet.* Six or more enormous florets open at one time. Brilliant orange-flame, deepening to begonia-rose. Mid-season. \$1 for 10, \$9 per 100.

Albatross. *White,* without a trace of color. 6 to 8 florets open at a time. Early. \$1 for 10, \$9 per 100.

Amador. *Red.* A brilliant glowing color. Large flowers compel attention. Will not burn in the sun. Splendid for exhibition. \$1 for 10, \$9 per 100.

American Commander. *Red.* A novelty, and one of the most satisfactory in this color so far. Good for exhibition, and a splendid commercial sort. \$1.30 for 10, \$12 per 100.

Ave Maria. *Light blue.* Large flowers with small purple blotches. An exhibition sort. \$1.30 for 10, \$12 per 100.

Bagdad. *Art shade.* Midseason exhibition sort. Smoky rose, deeper at the edges, with lighter throat. Individual flowers are 6 inches across. 90 cts. for 10, \$8 per 100.

Beacon. *Salmon-red.* The flower has a large cream blotch and is very large; it is slightly waved. \$1.10 for 10, \$10 per 100.

Blue Admiral. *Dark blue.* The tall, straight spikes carry many florets that open together. An excellent new midseason variety. \$1.30 for 10, \$12 per 100.

Blue Beauty. *Light blue.* A beautiful flower, with the margins of the petals tipped with violet. \$1.30 for 10, \$12 per 100.

Charles Dickens. *Purple-violet.* Strong 5-foot spikes, bearing 10 to 12 large flowers, open at once. Exhibition sort. Late. \$1.10 for 10, \$10 per 100.

Colossus. *Pink.* A soft shade. Giant early sort. \$1.30 for 10, \$12 per 100.

Commander Koehl. *Red.* Large, brilliant scarlet-blood flowers on a tall stem. Fine exhibition sort and one of the best reds. Late. \$1.10 for 10, \$10 per 100.

Donna. *Orange-buff;* a color that is new. There are no markings or suffusions of other tints. Ruffled flowers of heavy substance, and large. \$1.30 for 10, \$12 per 100.

Dr. F. E. Bennett. *Scarlet.* Immense blooms of deep fiery scarlet, overlaying peach-red; lip speckled ruby and white. Tall, stiff stems. \$1.10 for 10, \$9 per 100.

Duna. *Buff.* A soft apricot hue, lightening to yellow at the base of the lip petals, with 5 to 6 large, wide florets open at once. An early variety. 90 cts. for 10, \$8 per 100.

Excellence. *Scarlet.* Particularly quick to flower. The scarlet is bright and vibrant. 90 cts. for 10, \$8 per 100.

Flaming Meteor. *Red.* A spectacular flaming color with florets of immense size. One of the finest for exhibition. Mid-season. \$1 for 10, \$9 per 100.

Gate of Heaven. *Yellow.* Leading exhibition sort. Probably the deepest yellow. Nicely formed spike with large, ruffled florets. Early. \$1.10 for 10, \$10 per 100.

Gertrude Swenson. *Mauve-lavender.* It has a white blotch on the lower petal. As many as 12 flowers open on the spike at one time. \$1.30 for 10, \$12 per 100.

Golden Dream. *Golden yellow,* with tall, straight stems. A variety particularly suited for cut-flowers. \$1 for 10, \$9 per 100.

King Arthur. *Lavender-pink.* Large, ruffled and fluted florets, penciled with darker markings. Exquisitely formed flower of fine appearance. A good sort for exhibition. Early. \$1.30 for 10, \$12 per 100.

King's Ransom. *Peach.* Fine peach-red, blending into apricot; the throat is salmon. Large ruffled blooms. \$1 for 10, \$9 per 100.

La Fiesta. *Orange.* Fine flower, graceful and of good shape. The color is pure and glistening. \$1.30 for 10, \$12 per 100.

Louis d'Or. *Orange-yellow.* Unusual and exceptionally fine shade, deep and pure. A fine new variety superior to Orange Queen, former leader in this color, which we now discard. \$1.30 for 10, \$12 per 100.

Loyalty. *Yellow.* The flowers are large, many open at one time, and of a clear, pure shade of yellow, deeper in the throat. 90 cts. for 10, \$8 per 100.

Maid of Orleans. *White.* The pure white florets have cream throats. Many florets in bloom at once. Excellent for exhibition. Midseason. \$1 for 10, \$9 per 100.

Mammoth White. *White.* One of the largest sorts, the florets often 7 inches across. Splendid for exhibition. Mid-season. \$1.10 for 10, \$10 per 100.

Margaret Beaton. *White.* A wonderful exhibition sort, growing nearly 6 feet tall. On the perfect spikes as many as 8 to 10 large florets will be open at one time. They are snow-white, with a splash of vermilion in the throat. \$1.60 for 10, \$15 per 100.

Margaret Fulton. *Rose-pink.* A new variety that is large and fine in this ever-popular color. 90 cts. for 10, \$8 per 100.

Marmora. *Art shade;* lavender-gray with a light purple spot. Immense; fine for exhibition. Midseason. \$1 for 10, \$9 per 100.

Mildred Louise. *Salmon-pink.* The lower petals are tipped strawberry-pink, with a yellow throat. Flowers are 5 to 6 inches across, triangular shaped and wide open. The stems carry from 18 to 22 florets. Mid-season. \$1.10 for 10, \$10 per 100.

Milford. *Blue.* The color is a sky-blue self, and the variety is remarkable in that nearly always it has 8 to 9 flowers open at one time. One of the best exhibition varieties. \$1.30 for 10, \$12 per 100.

We supply 3 or more corms of a variety at the 10 rate, 25 at the 100 rate

Minuet. *Lavender-pink.* The blooms are of beautiful clear, light lavender, with 4 to 6 large, heavily textured blooms open at one time. Late. \$1.10 for 10, \$10 per 100.

Miss New Zealand. *Salmon-apricot,* suffused with rose, blotched with peach. Large, new. \$1.30 for 10, \$12 per 100.

Mother Machree. *Art shade.* A smoky lavender overlaid with salmon-pink on the edges. Large flowers, 6 or more open at once. Midseason. \$1.10 for 10, \$10 per 100.

Mr. W. H. Phipps. *Salmon-pink.* Huge flowers are clear La-France-pink, overlaid with glowing salmon-rose, frequently speckled with ruby, 15 to 20 open at once. Late. \$1 for 10, \$9 per 100.

Mrs. Frank Pendleton. *Pink and salmon.* Salmon-pink which extends to reverse side of the petals as well as in the center, with a rich, deep maroon blotch on the three lower petals. Midseason. 90 cts. for 10, \$8 per 100.

Mrs. T. E. Langford. *Pink.* Tall and vigorous variety of attractive apple-blossom-pink, flaked canary-yellow in the throat. As many as 10 florets open at one time. Late. \$1.30 for 10, \$12 per 100.

Orange Imperator. *Orange.* The large florets have excellent substance. A fine early variety. \$1.10 for 10, \$10 per 100.

Orange Princess. *Orange.* A pure salmon-orange tint with a lighter hue in the throat. Slightly ruffled. Fine exhibition sort. Early. \$1 for 10, \$9 per 100.

Oregon State. *Pink.* The best in this color. Lighter than Picardy and it has a cream-colored throat instead of a darker blotch. New, and outstanding in every way. \$1.30 for 10, \$12 per 100.

Paul Pfitzer. *Purple.* Fine reddish purple, many florets opening at once on a vigorous stem. Midseason. \$1.30 for 10, \$12 per 100.

Pelegrina. *Dark blue.* One of the finest dark blue-violet varieties ever introduced, with large individual florets. Early. \$1 for 10, \$9 per 100.

Pfitzer's Triumph. *Scarlet.* Blooms are at least 6 inches across, bright orange-red, with small velvety red blotches. The color and size make this a fine exhibition sort. Late \$1 for 10, \$9 per 100.

Picardy. *Salmon-pink.* The individual flowers are delicate apricot-pink, extremely large, somewhat ruffled, and of heavy, wax-like substance. Midseason. \$1 for 10, \$9 per 100.

Pink Paragon. *Salmon-pink.* A fine new vivid pink with a creamy throat; medium size, wide-open flowers in long flower-heads. Thoroughly reliable and one of the best pink Gladiolus yet produced \$2.50 for 10, \$20 per 100.

Polar Ice. *White.* Fine exhibition variety with large flowers, many of which are open at the same time. Vigorous and early sort. \$1.10 for 10, \$10 per 100.

Red Lory. *Red.* Carmine-rose with large red spots. Large florets, nearly all of which are open at once. An exhibition sort. Midseason. \$1 for 10, \$9 per 100.

Red Phipps. *Red.* Rich and glowing, free-flowering and strong. A general favorite. Eight flowers open at once. Midseason. \$1 for 10, \$9 per 100.

Rewi Fallu. *Dark red.* Very brilliant, large, and highly ruffled flowers, 6 to 8 open at a time. The finest deep blood-red Gladiolus. \$1.10 for 10, \$10 per 100.

Rosa van Lima. *Light pink.* Pure self-colored light pink, with many flowers open at one time on fine strong, straight stems. Fine clear pink without a trace of salmon. \$1.10 for 10, \$10 per 100.

Rudolph Serkin. *Dark blue.* Finest pure pansy shade, with very large flowers. \$1.30 for 10, \$12 per 100.

Shirley Temple. *White* with cream throat; the flowers are large, and beautifully ruffled. As many as 12 open at one time. \$1.10 for 10, \$10 per 100.

Smiling Maestro. *Salmon-orange.* Very large flowers measuring 6 to 8 inches across. Splendid exhibition variety with frequently 10 to 12 flowers open at once. \$1.10 for 10, \$10 per 100.

Souvenir. *Yellow.* We consider this the best pure yellow. Flowers graceful and somewhat small. 90 cts. for 10, \$8 per 100.

Star of Bethlehem. *White,* with a touch of crimson on the lower petals. Tall, slender spike with 6 to 8 immense florets open at one time. Early. \$1.10 for 10, \$10 per 100.

Vagabond Prince. *Art shade.* The florets are a shining reddish brown color, and on the lower petals there is a splash of vermilion. An interesting color combination, and a fine sort. \$1.10 for 10, \$10 per 100.

Valeria. *Light red.* A fine self color, with many flowers open at once; extra good. It keeps well and its color stands. \$1.60 for 10, \$15 per 100.

Wanda. *Cream-white.* A most valuable sport from Picardy. Flowers are of good size, most shapely, and of the finest exhibition quality. \$1.30 for 10, \$12 per 100.

Wasaga. *Buff.* Clear golden buff throughout, without a trace of any other color. Petals are somewhat ruffled, and carried gracefully on strong stems. Midseason. 90 cts. for 10, \$8 per 100.

White Butterfly. *White,* with a soft, creamy white throat. A slender stem bears somewhat small flowers, ideal for cut-flower work. The best white Primulinus variety. 90 cts. for 10, \$8 per 100.

Wurtembergia. *Scarlet;* fiery, with cream blotch. One of the finest exhibition sorts. \$1.10 for 10, \$10 per 100.

Yellow Emperor. *Yellow.* The florets are self-colored, and about the same hue as King Alfred daffodil; handsome spikes. \$1.10 for 10, \$10 per 100.

Zuni. *Smoky salmon-purple.* A rich salmon and slate, suffused purple. Ten enormous flowers open at once. Tall. \$1.30 for 10, \$12 per 100.



Lily-of-the-Valley

American Hybrids Mixed

We include a splendid variety of named sorts. The popular price warrants liberal planting. Well matured and good; excellent for cut-flower purposes or mixed borders. 80 cts. for 10, \$7 per 100, \$65 per 1000.

GLADIOLUS THRIPS

A destructive insect of microscopic size causing a silvered appearance on the foliage, drying of the flower-buds, and a general blighting of the plant.

Gladiolus corms obtained from us have been treated to control thrips. On their arrival, however, we recommend:

Before Planting

1. Remove the skins, so that "bare" corms are planted. Do not injure the tips.
2. Stir 2½ ounces of Semesan in one gallon of water. Immerse the corms in the liquid for seven hours; dry and plant.

During Growth

3. Spray with Gladiolus Thrip Spray. Dissolve one pound in 10 gallons of water and apply every two weeks.

When Bulbs Are Lifted

4. In autumn, burn the tops cut from the lifted corms. Place corms in a low, but not freezing, temperature for six weeks.
5. Next cover with paper, first dusting through them one pound of Thripco to each 1000 corms; or you may use Naphthalene Flakes. Avoid containers with close-fitting lids; ventilation is necessary.
6. At the end of one month, shake out the Thripco or Naphthalene Flakes, and store the treated corms in the usual way.

LILY-OF-THE-VALLEY

Dainty perennial, much valued for its pure white fragrant flowers in spring. It is hardy, very easily grown, preferring partial shade and moderately rich soil.

For outdoor planting we recommend the use of individual roots or "pips," rather than clumps. They should be two years old, and may be set out at intervals of 4 inches each way. We offer high-quality pips. 10 pips 75 cts., 25 pips \$1.75, 100 pips \$6.

Note. Imported Valley pips for greenhouse culture are not available—due to war.

BULBS IN COLD STORAGE

For planting in your greenhouse for late spring blooming, we offer:

LILIUM REGALE. Circumference 8 inches. Per case of 50 bulbs, \$25.

Other cold-storage Lilies and cold-storage Spiraea are not available at present—due to war.

For blooming outdoors in September:

RETARDED GLADIOLUS. Select your varieties and order them in April or earlier; we place the corms in our cold-storage warehouse for you and deliver them around July 1. No extra charge. Planting time is July 1-15.

HARDY LILIES

Lilies are so beautiful, and many of them are so fragrant, that you may think they are hard to grow, but such is not the case with most of the following varieties—they are easy.

Generally, they are best planted where their roots will be in shadow and their stems and leaves in full light. Ideal positions are amid shrubs or in the annual or perennial border, or in the companionship of ground-cover. Any good garden soil will serve, provided it drains well. Spade the land to a depth of 18 inches and work in our Bulb Fertilizer; plant the bulbs in groups of three or more of a kind, setting

them on a 1-inch layer of sand. This will aid soil drainage, and prevent the bulbs rotting through excess moisture.

Many Lilies are "stem-rooters," that is, they develop roots on the stem above the bulb, in addition to roots below the bulb. Other kinds are "basal-rooters," depending on roots below the bulb only. Stem-rooters are planted deep enough that the top of the bulb is covered by a thickness of soil twice the size of the bulb, from base to top; basal-rooters are planted shallow, overlaid by soil equal to one-half the size of the bulb.

Amabile. Showy stem-rooting Lily that in June bears as many as six black-spotted vivid red Turk's-Cap flowers on 3 to 4-foot stems. Of easy cultivation. Plant 6 inches deep in well-drained gritty soil with leaf-mold; enjoys partial shade. 45 cts. each, \$4.25 for 10, \$40 per 100.

Canadense flavum. The Meadow Lily of fields and roadsides. In July, its tall stems, 3 to 5 feet high, bear great sprays of nodding, bell-like pale yellow flowers dotted with maroon. It is stem-rooting, likes moist well-drained acid soil. Plant 8 inches deep in full sun or light shade and roots should be kept cool with a ground-cover. 40 cts. each, \$3.50 for 10, \$30 per 100.

Canadense rubrum. Like above but has orange-red flowers. 40 cts. each, \$3.50 for 10, \$30 per 100.

Carolinianum. The Southern Swamp Lily. It grows 2 to 4 feet high, likes moist ground, but good drainage, and will endure almost total shade. The fragrant flowers are orange-crimson with a whitish throat and hang like bright red bells at the top of the stem. Plant 5 to 6 inches deep. Blooms in July. 45 cts. each, \$4 for 10, \$35 per 100.

Concolor (Star Lily). Lovely star-shaped vermilion Lily 1½ inches long, slightly fragrant, borne erect on 1½-foot stems in June and July. Plant about 3 inches deep. 45 cts. each, \$4 for 10, \$35 per 100.

Davidi. Showy, nodding 3-inch cinnabar-red or scarlet blooms, spotted with black, on 4 to 5-foot stems in July. Plant 6 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.

Grayi. Gray's Lily. Modest-bell-shaped flowers of orange-brown outside and bright red-orange and yellow inside, thickly powdered with darker dots. Grows 2 to 4 feet, likes slightly acid, moist, loamy soil and a sunny place, such as a stream-bank. July. Plant 4 inches deep. 55 cts. each, \$5 for 10, \$45 per 100.

Kelloggi. Rare and beautiful Lily with recurved 2-inch pink flowers spotted with purplish black borne erectly on 3 to 4-foot stems in July. Very graceful and fragrant. Plant bulbs on their sides, about 5 inches deep, in shade. \$1 each, \$9.50 for 10, \$90 per 100.

Maxwill. *L. Maximowiczii* × *L. Willmottiae*. Reflexed bright red flowers, stamens orange-red, and have the habit of looking one straight in the face. Blooms in late July. Height 6 feet. Plant 8 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.

Pardalinum giganteum. Sunset or Giant Leopard Lily. Brilliant orange-red on the reflexed portion of the segments, the faces of the magnificent "turk's caps" are rich yellow closely dotted with brown spots. The flowers are borne in clusters up to ten on strong 5 to 8-foot canes. An easy Lily to grow, succeeding in full sun or partial shade. Blooms in July and should be planted 6 to 8 inches deep. 35 cts. each, \$3.25 for 10, \$30 per 100.

Parryi. The 4-inch pale lemon-yellow, funnel-shaped flowers, slightly spotted inside, delicately fragrant, are borne on 3 to 4-foot stems in July. Plant 5 inches deep. \$1 each, \$9.50 for 10, \$90 per 100.

Philadelphicum. Wood Lily, Orange Cup Lily. Striking native plants, thriving in dry, sandy places with partial shade. The short stalks are 1 to 2 feet high, with dark red, erect cup-shaped flowers in July. Plant 5 inches deep. 40 cts. each, \$3.50 for 10, \$30 per 100.

Philippinense formosanum (Price's Variety). Hardy Easter Lily. Long white trumpets on 3-foot stems in July and August. Green throat adds to the picturesque flower. Fragrance is mild but delightful. Plant 5 to 6 inches deep. 60 cts. each, \$5.50 for 10, \$50 per 100.

Regale. The Royal Lily. Originally from western China, enormous alabaster trumpets are tinged with rose outside and suffused with gold within. Most popular and the easiest to grow. Stem-rooting; plant 6 to 8 inches deep in good well-drained soil. Grows 4 to 6 feet tall. Blooms July.

	Each	10	100
Monster Bulbs	\$0 50	\$4 50	\$40 00
Jumbo Bulbs	40	3 75	35 00
Mammoth Bulbs	30	2 75	25 00
Selected Bulbs	25	2 25	20 00

Shelburne Hybrids. Bloom after other Lilies are over. Flowers vary in size and form and range from pure white to blush. Your garden needs them. 80 cts. each, \$7 for 10, \$65 per 100.

Superbum. The Turk's-Cap Lily. It grows 5 to 8 feet high, with an immense, pyramidal cluster of brilliant orange-red, turban-shaped flowers, yellowish inside and spotted brown. Plant 6 inches deep in well-drained, slightly acid, or neutral soil well filled with peat or leaf-mold; best in partial shade. Blooms in July. 25 cts. each, \$2.25 for 10, \$20 per 100.

Tenuifolium. Coral Lily. Dwarf, very graceful Lily, with thread-like leaves and clusters of nodding, tiny, bell-like, recurved flowers of brilliant coral-red in June. Likes damp soil among rocks, with access to sunlight. Plant 6 inches deep. 25 cts. each, \$2.25 for 10, \$20 per 100.

Tenuifolium, Golden Gleam. This beautiful golden yellow form of the above is a very welcome addition to your Lily collection. Grows approximately 18 to 24 inches high and blooms at the same time as the scarlet form listed above. 35 cts. each, \$3.25 for 10, \$30 per 100.

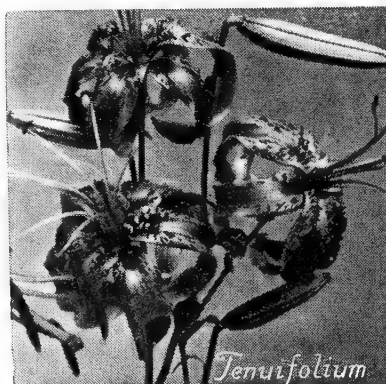
Testaceum. Nankeen Lily. Grows 3 to 6 feet tall and bears three to more than a dozen very charming, nodding, Turk's-Cap flowers, white outside, dusky orange or pale apricot within. Plant 2½ inches deep in sweet soil. Blooms in June and July. \$1.75 each, \$15 for 10, \$125 per 100.

Tigrinum splendens. The Tiger Lily is well known; showy, spotted red-orange flowers in wayside gardens in August and later. Easy to grow, thriving in full sun in any soil. Plant 6 inches deep. 35 cts. each, \$3.25 for 10, \$30 per 100.

Tigrinum flore-pleno. The double Tiger Lily is even showier and more handsome. 35 cts. each, \$3.25 for 10, \$30 per 100.

Washingtonianum. Blooms open white, changing to shades of wine-color, slightly spotted deeper; fragrant. Blooms June and July. Grows 5 feet high. Stem-rooting. Plant 10 inches deep in partial shade and watch the drainage. 75 cts. each, \$7 for 10, \$65 per 100.

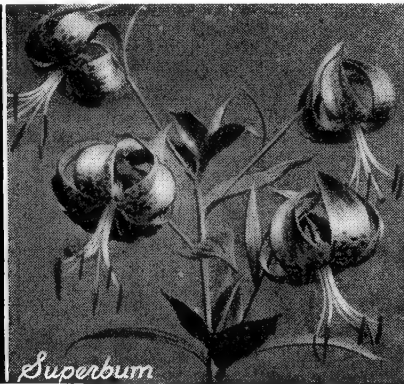
Willmottiae. The 3 to 4-foot stem in July and August bears fifteen to twenty brilliant orange-red flowers measuring 3 inches across, with recurved petals freely dotted with brownish spots. Needs staking. Plant 8 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.



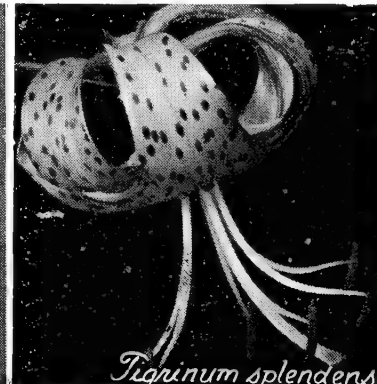
Tenuifolium



Canadense

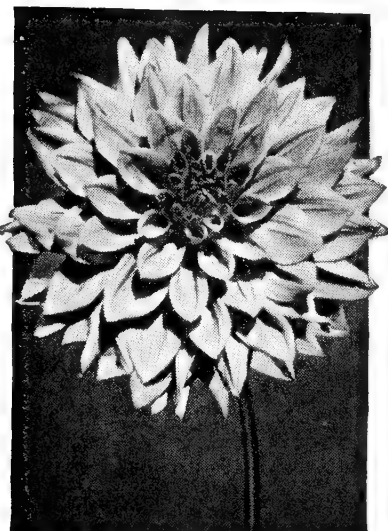


Superbum



Tigrinum splendens

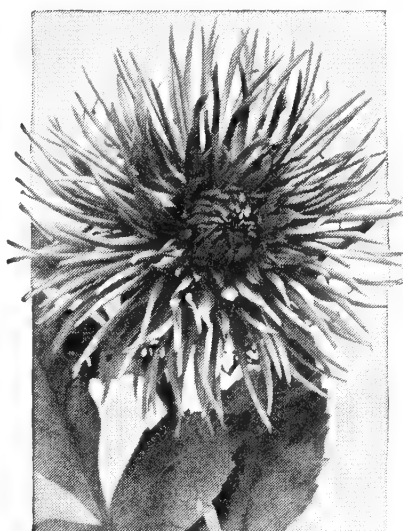
MODERN DAHLIA TYPES



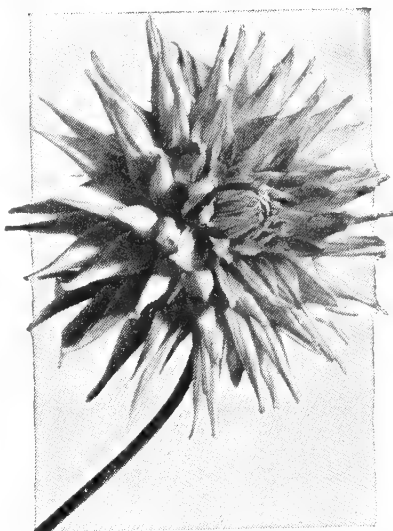
Formal Decorative (F.D.)



Informal Decorative (I.D.)



Incurved Cactus (I.C.)



Recurved or Straight Cactus (C.)

NOVELTY DAHLIAS FOR EXHIBITION

This list includes only those that we consider worthy of a place in every garden; it represents the cream of the finest varieties that have been developed to date. Many are proved prize-winners.

Initials immediately following each name indicate the class to which the Dahlia belongs, thus:

F.D.—Formal Decorative Dahlias. Fully double flowers, floral rays generally

broad, either pointed or rounded at tips, with outer floral rays tending to be cupped; all floral rays somewhat regular.

I.D.—Informal Decorative Dahlias. Double flowers, rays generally long, twisted, pointed; usually irregular in arrangement.

Semi-C.—Semi-Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for less than one-half of their length.

I.C.—Incurved Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for one-half or more of their length, the floral rays tending to curve toward the center of the flower.

C.—Recurved or Straight Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for one-half of their length or more, the floral rays being recurved or straight.

THE NEWEST ALL-STAR VARIETIES

We are always first with roots of the latest kinds. We offer nine outstanding honor-roll introductions. These have scored very high at official trial-grounds and won many prizes at Dahlia shows.

THREE ULTRA NOVELTIES: INTRODUCED IN 1944. THESE ARE COLLECTORS' PIECES

FRANCES DEWEY. S.C. This gigantic novelty can be grown up to 14 inches across and 8 inches deep, and the color is a stunning scarlet-red. A truly super-Dahlia that should be grown by all discriminating gardeners. The 5 to 6-ft.-high plants have a good branching habit, while the foliage is perfect. Awarded Achievement and Tricolor Medals at the Rockville Center, L. I., show. \$7.50 each.

PINK FLAMINGO. I.C. Winner of four Achievement Medals, the Marshall Field Cup, and listed on all Honor Rolls. Exquisite clear rose-pink blooms are 8 to 11 inches in diameter by 5 to 6 inches through. They keep remarkably well, and are on straight stems 8 to 14 inches long. Clean, vigorous bushes are 5 to 6 feet tall. Here is a newcomer that will be universally grown. \$10 each.

THE DRAGON. I.D. The florets are apricot in the center, edged lengthwise on both sides with rose-pink, producing a lively autumn-apricot shade; flowers are 11 inches across by 7 inches deep. A stocky, rugged, insect-resistant plant about 4½ feet high. A new variety that soon will be on the list of standards, as it is so easy to grow; yet it will stand good culture without going to pieces. Scored 85 at Canyon, Texas, and 84 at Storrs. \$7.50 each.

COLLECTION: 3 Dahlias, 1 each of the above
(value \$25), **\$22.50**

SIX NOVELTIES INTRODUCED in 1941, 1942, and 1943. To Win Prizes These Are the Sorts You Must Have

BAKER'S BEST. I.D. Deep clear sulphur-yellow with plenty of substance and beautiful form. Splendid grower, free bloomer and good root-maker. Score 85.8 at Storrs. \$4 each.

COLONEL A. G. RUDD. I.D. Giant 12-inch flowers, magnificent in color—carmine-mahogany-red with a darker center. Blooms freely, and the stems are long. On the Honor Rolls, and many times a winner. \$5 each.

COMMANDO. F.D. Huge 10 to 14-inch flowers of clear true phlox-purple. These strikingly beautiful blooms are held very erect on long, stiff stems. Very fine variety that will be much seen as a prize-winner. \$4 each.

DIXIE WINE DOT. I.D. Wonderful bicolor variety. Flower is 10 to 12 inches across, pure white, flecked and striped with wine-red. Very striking and a sure prize-taker. On the Honor Rolls; Achievement Medal winner. \$4 each.

MOON GODDESS. F.D. to I.D. Primrose-yellow flower of beautiful form, 11 to 12 inches across, on extra-long stems. Gold Medal and Achievement Medal winner. \$4 each.

RHYTHM. I.C. Beautiful, dainty flower of unusual cameo-pink and rose, blending to a soft lemon center; 8 to 9 inches in diameter. Rugged grower and free bloomer. Awarded the Memorial Gold Medal, and has a long list of winnings. \$4 each.

COLLECTION: 6 Dahlias, 1 each of the above (value \$25), **\$22.50**

GENERAL LIST OF LARGE-FLOWERING DAHLIAS

Selected Varieties for Exhibition, for Garden Display, for Cut-Bloom

ALICE MAY. I.D. A really great white. The flower is tremendous, with a beautiful artistic form. Clean, strong, long stems. Without a doubt one of the finest Dahlias to date. Extra. \$1 each, \$9 for 10.

ALL AMERICAN. Semi-C. The color is a mulberry-rose, suffused with salmon; florets are waxy yellow at the base and are somewhat twisted. Immense blooms on straight stems. This is a very rugged variety and a great prize-winner. \$2.50 each, \$22.50 for 10.

AMERICAN VICTORY. I.D. Truly an outstanding giant; a free-flowering variety of dazzling scarlet. Size up to 13 inches. A healthy, vigorous grower, holding its immense blooms upright on the best of stems. \$2.50 each, \$22.50 for 10.

BLUE BIRD. I.D. Large flowers of beautiful form; unusual and attractive color. Blooms freely. The nearest to blue of any Dahlia. 50 cts. each, \$4.50 for 10.

BOB WHITE. F.D. Pure white, giant flowers, full and deep, freely borne on long cane stems that hold them absolutely upright. Good clean grower; resistant to insects. A sensation. 50 cts. each, \$4.50 for 10.

CALIFORNIA IDOL. I.D. An outstanding giant, and a prize-winner from coast to coast. Clear, bright, glistening yellow. Vigorous, healthy grower, and good bloomer. \$1 each, \$9 for 10.

CARDINAL KING. I.D. Giant deep rich cardinal-red blooms of fine form. Strong, vigorous grower. Very fine. 50 cts. each, \$4.50 for 10.

CHERRY STONE. I.D. Giant flowers of alluring cherry-red. New shade, should be very popular. \$1 each, \$9 for 10.

CROWNING GLORY. I.C. Giant flowers of mallow-pink softening to cream at center. American Home Achievement Medal at Peekskill, N. Y., and Washington. Gold Medal winner, New York. In Futurity and Honor Rolls. \$3 each, \$27 for 10.

DOROTHY LAMOUR. C. The 10-inch flower is of great depth, fine orange color and beautifully formed. Very free flowering on the best of stems. On the Honor Roll and a Futurity Winner. \$3 each, \$27 for 10.

EDITH WILLKIE. Semi-C. A real white all-time champion with long straight stems. Blooms have been shown up to 15 inches across. Winner of many Medals, Certificates, and ribbons. \$3 each, \$27 for 10.

GOLDEN ECLIPSE. F.D. Giant. Bright gold flowers; immense size; perfect form. 50 cts. each, \$4.50 for 10.

HUNT'S VELVET WONDER. I.D. Deep burgundy-red flowers up to 15 inches across. Roll of Honor and Award of Merit. 75 cts. each, \$6.75 for 10.

IVORY PRINCESS. Semi-C. The color is new for Dahlias—a beautiful shade of ivory. Giant flowers on long, stiff stems, and the bush grows about 6 feet. Gold Medal, American Dahlia Society; is on two Honor Rolls. \$3 each, \$27 for 10.

JANE COWL. I.D. Deep, massive blooms of a bronzy buff and old-gold, blending darker toward the perfect center. A stem of unusual strength. Foliage is the leathery kind that insects seldom injure. 50 cts. each, \$4.50 for 10.

JEAN KERR. F.D. Glistening waxy white of fine form; medium size; always in bloom; perfect for cutting and decorating. 35 cts. each, \$3.25 for 10.

JERSEY'S BEAUTY. F.D. This is, without a doubt, one of the finest true pink Decorative Dahlias yet introduced. 50 cts. each, \$4.50 for 10.

JUDY. F.D. Bicolor lavender-pink, flecked red. Attractive, finely formed variety, flowering early until late. Good for cutting and garden display. \$1 each, \$9 for 10.

KENTUCKY. F.D. Sport of Jersey's Beauty, with the same good qualities. Brilliant light salmon-orange, shading to orange-yellow at base of petals, deepening to grenadine-pink on the reverse. Long, strong stems. 50 cts. each, \$4.50 for 10.

KENTUCKY COLONEL. F.D. Soft creamy tan striped crimson. Very free-flowering, useful, and attractive variety. \$1 each, \$9 for 10.

LAVENDER QUEEN. F.D. Large flowers of soft clear lavender. Good grower, also free bloomer. Fine for cutting. 75 cts. each, \$6.75 for 10.

MAFFIE. Semi-C. One of the largest Dahlias grown. The lively carmine blooms outclass most others where shown. \$2 each, \$18 for 10.

MARY TAYLOR. I.C. A fine, deep, flesh-pink and gold Dahlia—an unusual combination. Blooms are 9 inches in diameter and 4 inches through, held on fine stems. A good keeper. Grows 6 feet high. On the Honor Roll. \$1 each, \$9 for 10.

PINK GIANT. I.D. A magnificent bright pink. Perfect blooms are very large, deep and borne in great profusion. They are boldly held, facing sideways, on strong stiff stem, well out of the strong, vigorous bush. 75 cts. each, \$6.75 for 10.

RED KING. F.D. Vivid rich red Dahlia of fine habit, with long stems and flowers produced very freely; they are 6 to 8 inches across, of firm texture and with lasting qualities. Very fine for cutting. 50 cts. each, \$4.50 for 10.

ROTARY. F.D. An outstanding brilliant red and white bicolor; very large flowers. Blooms freely on strong stems. 75 cts. each, \$6.75 for 10.

ROYAL PINK. F.D. to I.D. Lively intense real pink, 7 to 9 inches. Flowers held upward and facing on splendid long stems. The finest real pink for garden and cut-flowers; very free blooming. Flowers cut half open will unfold to full size and keep in fine condition in water for a full week. Will be universally grown. \$3.50 each, \$31.50 for 10.

SPARKLER. I.D. Bicolor. Very bright yellow flowers splashed and striped brilliant red. A dazzling variety. \$1 each, \$9 for 10.

SUNRAYS. I.D. Beautiful clear buff suffused apricot, with distinct peach-red on reverse of petals. One of the best Dahlias grown and will win in the best of company. Should be in every garden. \$1 each, \$9 for 10.

VICTORY. F.D. Very beautiful 10-inch blooms of rose-pink and gold. An outstanding variety. \$1.50 each, \$14.50 for 10.

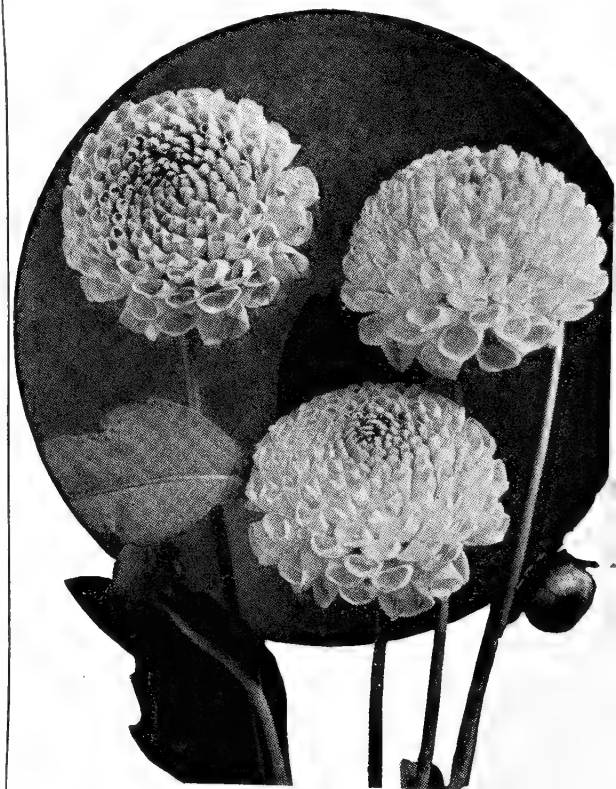
VIRGINIA RUTE. I.D. Rich oxblood-red, with broad, pointed petals and a tight center. Good form and substance, the flowers holding well out of the foliage on long, strong stems. Insect resistant. Fine for exhibition. \$1.50 each, \$13.50 for 10.

VOLCANO. F.D. An orange flame-red, which holds its color in the sun. Foliage is heavy and leather-like. Successful contestant in the largest bloom class. It keeps well. \$1 each, \$9 for 10.

WATCHUNG GIANT. I.D. Deep amber-yellow suffused orange-cadmium. Wins consistently. Profuse bloomer. Does well everywhere. 75 cts. each, \$6.75 for 10.

WHITE KING. F.D. A pure white, large-flowering Dahlia of very beautiful form and substance. Free flowering, on long stems. Splendid for the garden or exhibition. 50 cts. each, \$4.50 for 10.

YELLOW QUEEN. I.D. Bright clear yellow of fine form, good for cutting and garden. 75 cts. each, \$6.75 for 10.



POMPON DAHLIAS

These charming petite types are offered on next page.

Preparing Soil for Dahlias: Spread one pound of Humus per square foot on sandy or clayey land; spread one pound to 10 square feet of Sawco Dahlia Food on all types of soil. Dig and rake smooth



Single Dahlia

SINGLE DAHLIAS

These are effective in the garden, and are wonderful for cut-bloom.

Four beautiful colors are available: White, Pink, Red and Yellow. Sold in mixture only. 40 cts. each, \$3.60 for 10.

POMPON DAHLIAS

We offer below a select list of these beautiful Pompon Dahlias, a miniature form of the Show Dahlias, having the same ball-like form, but much smaller in size. The plants are also smaller, of branching habit, and produce an endless profusion of flowers which are invaluable for table decoration and boutonnières.

Barbara Ann. Dainty pink.
Edith Muller. Rosy orange and yellow.
Golden Beauty. Bright yellow.
Indian Chief. Rich red tipped white.
Red Gem. Rich deep red.
Snowbird. Pure white.

Above 6 varieties, 35 cts. each, \$3.25 for 10

COLLECTION OF POMPON DAHLIAS

Collection D. Six roots, one each of the above (value \$2.10), for \$1.75.

MINIATURE DAHLIAS

Flowers 3½ inches in diameter or less

These are increasing in popularity and interest. After careful tests, we are including many new and meritorious varieties, giving a complete range of distinct colors and forms. All types of Dahlias are to be found in this section, but the plants are dwarf and the flowers are perfect gems, ideal for cut-flower purposes. They are also invaluable for borders, hedges or planting in the perennial garden. Since their height is between 1½ and 3 feet, they need no supporting stakes and may be used for bedding. Pinch them to keep the plants uniform.

ROYAL BLUE. F.D. (New.) Flowers 2½ to 3 inches across. An alluring blend of blue and royal purple, very striking; long stems and free flowering. \$1 each, \$9 for 10.

ROYAL BRONZE. F.D. (New.) Flowers 3 to 3½ inches across. Bright blend of orange and bronze; long stems and free flowering. \$1 each, \$9 for 10.

ROYAL LAVENDER. F.D. (New.) Flowers 3 to 3½ inches across, of bright true lavender. Long stems and free flowering. \$1 each, \$9 for 10.

ROYAL COLLECTIONS

The above three new miniature Dahlias, illustrated on back cover.

Collection E. 3 roots, one each (value \$3.) . . . \$2 75
 Collection F. 6 roots, two each (value \$6.) . . . 5 25

***BABY ROYAL.** Semi-C. Salmon-pink shaded apricot. Free bloomer. 40 cts. each, \$3.60 for 10.

***BISHOP OF LLANDAFF.** Peony-flowered. Bright scarlet; duplex form. Attractive fern-like, reddish purple foliage. 40 cts. each, \$3.60 for 10.

***BUCKEYE BABY.** F.D. Bright buff-yellow and red flowers, small and compact, on long stems. 50 cts. each, \$4.50 for 10.

***CORINNA.** F.D. Well-formed blooms of brilliant yellow. 40 cts. each, \$3.60 for 10.

PRINCESS ALBA. F.D. Pure waxy white flowers of fine form. 50 cts. each, \$4.50 for 10.

***RED ROBIN.** F.D. Brilliant scarlet flowers. Early and free flowering. 50 cts. each, \$4.50 for 10.

***ROSEMARY.** I.D. Salmon-pink, tinted with rose and yellow. 40 cts. each, \$3.60 for 10.

***SYLVIA.** F.D. Brilliant deep red; flowers of beautiful form. A low grower and free flowering. 50 cts. each, \$4.50 for 10.

COLLECTIONS OF MINIATURE DAHLIAS

Collection G. 7 roots, 1 each, sorts marked * (value \$3.10) \$2.50

Collection H. 14 roots, 2 each, sorts marked * (value \$6.20) 4.75

Poles and Holes for Dahlias. Drive in Dahlia Poles four feet apart each way, and dig a hole at the foot of each. Drop in a handful of Sawco Dahlia Food, and mix well.

PLANTING DAHLIA ROOTS

Spread some unfertilized soil over the enriched earth. Place the Dahlia root horizontally two

inches below the surface; fill the hole with soil and tread firmly.

PRUNING DAHLIAS

Limit main stems to two at most. Pinch the tops when the third pair of leaves shows; pinch the two main branches when the third pair shows. Limit buds one to a branch.

COLLECTION—GIANT DOUBLE SORTS

Collection A. Garden Full of Dahlias \$5
 List value \$8.35 for

Sold in a Collection. Each tagged with its name.

We offer these at a saving because they are kinds of which we hold large stocks, and all of them are good. It is your opportunity to become acquainted with the delights of Dahlia-growing. Enormous flowering kinds, all different, and four of them are brand new—colors are sparkling.

These are the varieties you get in Collection A

Blue Bird. Blue.	Kentucky Colonel. New;
Cardinal King. Cardinal-red.	orange-tan.
Cherry Stone. New; cherry-red.	Lavender Queen. Lavender.
Golden Eclipse. Gold.	Red King. Red.
Jean Kerr. White.	Sparkler. New; yellow.
Judy. New; lavender-pink.	White King. White.
	Yellow Queen. New; yellow.

Twelve Exhibition Dahlias as named

Collection B. Twelve Exhibition Dahlias \$4
 List value minimum \$6 for

Our selection of splendid varieties in mixture. They do not have name-tags attached, but each is different, and all are large—no miniatures, pompons, or singles. At least one will be from the one-dollar price group, and at least one will be a two-color novelty sort, not yet on the market.

Collection C

Six Exhibition Dahlias, unnamed, \$2.25

Collection C is one-half Collection B, but is otherwise identical. List value is minimum \$3.

S. & W. CO.'S GUARANTEED EVERBLOOMING ROSES (Hybrid-Tea-scented)

OUTSTANDING VARIETIES

At prices which justify extensive planting. Specially selected for quantity and quality of bloom and resistance to disease. All are guaranteed.

Re-selected from No. 1 grade plants, these are the best obtainable. Each has three or more branches, according to the variety. They are dug in late autumn, the roots wrapped in damp moss, and kept over winter. Proper storage is essential for the well-being of living merchandise—the facilities which we have, with modern methods for controlling temperature and humidity, are ideal. These healthier plants will show superior quality in your garden. Planted in spring, they will bloom this year.

YOUR PURCHASE IS INSURED; we will replace any that may not be alive two months after purchase.

- Anzac.** Patent 636. The Serviceman's Rose. Exceptionally hardy and very easy to grow. The flowers are coral-rose with a golden yellow sheen at the base of the petals. A profusely blooming novelty that will become highly popular. 50 petals. Dormant plants, \$1.50. In pots after May 1, \$1.85.
- *Apricot Queen.** Patent 464. Strong-growing, with shiny, leathery foliage. The long-pointed bud opens to a flower with petals of orange and apricot at the base, merging to salmon rose and phlox-pink. 45 petals. Dormant plants, \$1.25. In pots after May 1, \$1.60.
- *Betty Uprichard.** Fragrant. Salmon-pink with coppery carmine on reverse of petals. A great favorite. 17 petals. Dormant plants only, \$1.10.
- **California.** Patent 449. Vigorous plant; glossy foliage. Long, pointed bud opens to an enormous flower, 5 to 6 inches across. Ruddy orange, toned with saffron-yellow; exterior is overlaid with rose. Rich fruit fragrance. 30 petals. Dormant plants only, \$1.50.
- *Charlotte Armstrong.** Patent 455. A large splendidly formed flower of spectrum-red on strong branching plant. Fragrant. 35 petals. Dormant plants only, \$1.25.
- Commando.** Orange-buff with a pink suffusion. The bloom is large and double; the foliage leathery and glossy. 35 petals. Dormant plants, \$1.50. In pots after May 1, \$1.85.
- **Crimson Glory.** Patent 105. Urn-shaped buds open to splendidly formed velvety crimson flowers with scarlet tones in summer and blackish shades in fall. Dormant plants \$1.75. In pots after May 1, \$2.10.
- *Douglas MacArthur.** Patent 581. A leader among Roses, vigorous, hardy and free-blooming. Foliage is dark green, and rose, gold and salmon are blended into the color of the flower. A regal beauty. 24 petals. Dormant plants, \$1.50. In pots after May 1, \$1.85.
- *E. G. Hill.** Fragrant. Crimson-red blooms on long stems. One of the most reliable varieties. 60 petals. Dormant plants only, \$1.10.
- **Etoile de Hollande.** Intensely fragrant. Rich crimson. The world's favorite red Rose. 35 petals. Dormant plants only, \$1.10.
- **Glowing Carmine.** Rich carmine. Vigorous and delightfully fragrant variety. 50 petals. Dormant plants, \$1.10. In pots after May 1, \$1.45.
- **Golden Diamond.** Patent applied for. Splendid new variety and a beautiful shining yellow-gold. Markedly resistant to disease. The long spiral buds open to perfect double flowers, 45 petals. Dormant plants, \$2. In pots after May 1, \$2.35.
- **Gruss an Teplitz.** Velvety crimson, medium-sized, fragrant flowers in clusters. Plants are covered with them through the entire season. A dependable, fast-growing sort. 30 petals. Dormant plants, \$1.10. In pots after May 1, \$1.45.
- **Heart's Desire.** Patent 501. Long bright red buds open to graceful blooms of velvety red. Wonderful fragrance. Strong bushy plants bloom generously. 25 petals. Dormant plants, \$1.50. In pots after May 1, \$1.85.
- *Hinrich Gaede.** Rich raspberry fragrance. Flaming orange with scarlet sheen. There is no more beautiful Rose. 50 petals. Dormant plants, \$1.10. In pots after May 1, \$1.45.
- *Joanna Hill.** Moderately fragrant. Orange in center, cream at edges. Always much admired. 40 petals. Dormant plants only, \$1.10.
- *Kaiserin Auguste Viktoria.** Perfectly formed white buds open slowly to high-centered, fragrant blooms of snow-white. 100 petals. Dormant plants, \$1.10. In pots after May 1, \$1.45.
- *Lily Pons.** Patent 420. Narrow buds develop into large fragrant blooms; they are deep yellow in the center and lighter yellow on the rim. There is no more beautiful variety. 50 petals. Dormant plants, \$1.50. In pots after May 1, \$1.85.
- *McGredy's Scarlet.** Faint tea scent. Uniform red. A very dependable sort. 35 petals. Dormant plants, \$1.10. In pots after May 1, \$1.45.
- *Mevrouw G. A. van Rossem.** Wonderful yellow-orange Rose, with deeply graven veins of brownish red on the outside of the petals. A choice and most attractive Rose. Dormant plants only, \$1.10.
- *Mme. Chiang Kai-shek.** Patent applied for. The honor Rose, because it won the All-America competitive Rose-trials held in 1943. Named in honor of the first lady of China, and the loveliest of all yellow Roses. 24 to 30 petals. Dormant plants, \$2. In pots after May 1, \$2.35.
- *Mme. Henri Guillot.** Patent 337. Urn-shaped buds open to watermelon-pink flowers of attractive form. Bushy plants with good foliage. 25 petals. Dormant plants only, \$1.25.
- *Mme. Jules Bouche.** Moderately fragrant. White, with slight pinkish tinge at center. Extremely attractive. 35 petals. Dormant plants only, \$1.10.
- *Mrs. E. P. Thom.** Mild scent. Fine yellow blooms. A choice Rose. 40 petals. Dormant plants only, \$1.10.
- **Mrs. Oliver Ames.** Patent 497. The flower is a rich self color—medium yellow. It is of good substance, averaging 60 petals. Outstanding features are its exceptional fragrance and the strong-growing, healthy plants. Dormant plants only, \$1.25.
- *Mrs. Pierre S. du Pont.** Rich spicy fragrance. Deep yellow. Very reliable and highly attractive. 40 petals. Dormant plants only, \$1.10.
- Pearl Harbor.** Patent 637. The Memory Rose. Here is a vigorous plant, blooming all summer. Buds are Tyrian-rose in color; the open flower changes to shell-pink shaded gold-bronze at the base. The plant has practically no thorns. Ideal for cut-bloom. Dormant plants, \$1.50. In pots after May 1, \$1.85.
- *Pink Dawn.** Sweetly fragrant. Pink, tinted orange at base. Well-known variety. 100 petals. Dormant plants only, \$1.10.
- **Pink Diamond.** Patent 516. Slender pink buds open to a spiral bloom of dainty shell-pink. Upright free-blooming plants. 35 to 40 petals. Dormant plants, \$1.50. In pots after May 1, \$1.85.
- *Poinsettia.** Rich tea fragrance. Scarlet-red, like the plant which gives it its name. Splendid form. 35 petals. Dormant plants, \$1.10. In pots after May 1, \$1.45.
- *President Herbert Hoover.** Delightful fragrance. Mixture of scarlet, yellow, cerise and flame. 25 petals. Dormant plants only, \$1.10.
- **Radiance.** Rich old-time Rose fragrance. The world's favorite pink. 23 petals. Dormant plants, \$1.10. In pots after May 1, \$1.45.
- **Red Radiance.** Richly fragrant. Large cerise-red blooms. Deservedly popular. 23 petals. Dormant plants, \$1.10. In pots after May 1, \$1.45.
- *Santa Anita.** Patent 539. A fine deep pink Rose that blooms continuously all summer. Buds are large and perfect; the flowers show some center when fully mature. Slightly fragrant. 20 petals. Dormant plants, \$1.25. In pots after May 1, \$1.60.
- **Shangri-La.** Large, fragrant, high-centered flowers combining blush-color, salmon, and rose. Fresh and delightful. Good in foliage and growth. 35 petals. Dormant plants, \$1.50. In pots after May 1, \$1.85.
- *Talisman.** Fragrant. Mixture of red, orange, pink and bright yellow. Vigorous growth; husky foliage. 25 petals. Dormant plants only \$1.10.
- **The Doctor.** Long narrow buds develop into exceptionally large, silver-pink blooms. A new and very choice Rose. Very fragrant. 25 petals. Dormant plants only, \$2.
- **V for Victory.** A richly perfumed flower with a high center. The color is spectrum-yellow shading to red at the center. 45 petals. Dormant plants only, \$1.50.

To Help You Choose

Everyone enjoys the *scent of Roses*, and all our everblooming varieties are fragrant; sorts marked * have a pronounced perfume, and those marked ** even more so.

The number of petals indicates the *double-ness* of a Rose: one with 17 is a semi-double bloom; one with 100 petals is heavy and tight, many varieties with fewer petals are preferred for their buds.

Roses do not necessarily require clay soil; a medium loam is better. In fact, they will grow in almost any kind provided it is rich, retains moisture, yet drains well

5 Beautiful NOVELTY ROSES

Everblooming and
Will Flower
First
Summer



\$1.50 each
*DOUGLAS MacARTHUR. Pat. 581. 24 petals.



*SHANGRI-LA.
Pat. pending.
35 petals.
\$1.50 each.

Sorts marked *
have a pronounced
perfume, and
those marked **
even more so.

The number of petals indi-
cates the doubleness of a
Rose: one with 25 will show
some center when fully open;
one with 50 petals is fairly
tight when mature.

Roses on this page are
dormant and are available
from March 1 to May 15.

After May 1 we can also
supply them growing in
pots and ready to put out
into your garden in full
leaf. For these Pot-grown
plants ADD 35 cts. each,
\$1.75 per collection of 5.

WE GUARANTEE our
Roses to reach you in good
condition and to live; we will
replace without charge any
that may not be alive two
months after you purchase
them.

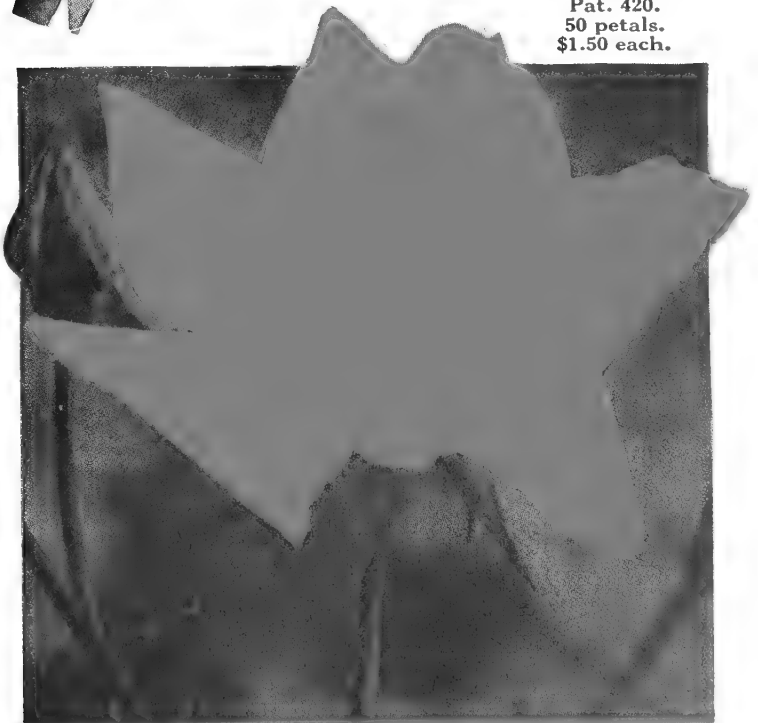


**HEART'S DESIRE.
Pat. 501. 25 petals.
\$1.50 each.

*LILY PONS.
Pat. 420.
50 petals.
\$1.50 each.



**ANZAC. Pat. 636. 42 petals. \$1.50 each.



COLLECTION A

New Varieties Tested for Bloom and
Resistance to Disease

**STRONG, SUPER FIELD-GROWN
DORMANT PLANTS**

Five Novelty Roses

One each of 5 varieties, **\$7**
dormant plants . . .

Everblooming ROSES FOR Every Garden Will Flower First Summer

****PINK
DIAMOND.**
Pat. 516.
35 to 40 petals.
\$1.50 each.

Sorts marked *
have a pronounced
perfume, and
those marked **
even more so.

COLLECTION B

5 Everblooming
Bush Roses

One each of 5 varieties

\$7.50

****GOLDEN
DIAMOND.**
Pat. pending.
45 petals. \$2 each.

***APRICOT
QUEEN.**
Pat. 464.
45 petals.
\$1.25 each.

From among
hundreds of mod-
ern varieties grow-
ing in our experi-
mental gardens last
year, we selected
the Bush Roses on
this page and the 5
on page 71 for out-
standing beauty,
stamina, resistance
to disease, continu-
ity of bloom and
fragrance. We are
sure you will like
them.

The five Bush
Roses offered on
this page are dor-
mant and are
available from
March 1 to May
15.

After May 1 we
can also supply them growing in
pots and ready to put out into your
garden in full leaf. For these Pot-
grown plants ADD 35 cts. each,
\$1.75 per collection of 5.

***MME. CHIANG KAI-SHEK.**
Pat. pending.
25 to 30 petals.
\$2 each.

TREE ROSES

**On strong, straight
3½-foot stems**

- *Autumn. Burnt-orange,
streaked red.
- **California. Pat. 449. Ruddy
orange.
- *E. G. Hill. Crimson-red.
- **Etoile de Hollande. Crim-
son-scarlet.
- *Golden Emblem. Deep gold.
- *Grenoble. Scarlet-crimson.
- **Heart's Desire. Pat. 501.
Velvety red.
- *Mme. Chiang Kai-Shek.
Pat. pending. Empire to
lemon-yellow.
- *Mme. Jules Bouche. White.
- *Mrs. E. P. Thom. Yellow.
- *Mrs. Pierre S. du Pont.
Golden yellow.
- *President Hoover. Yellow
and pink.
- **Radiance. Pink. Popular
favorite.
- **Red Radiance. Red. Richly
fragrant.
- *Talisman. Golden yellow
and copper.

Pot-plants only, ready
after May 1, \$6 each

***SANTA ANITA.**
Pat. 539.
20 petals. \$1.25 each.

Climbing Roses for Fence, Trellis, and Post

Climbing Roses may be trained over an arch, draped around posts, or festooned from one post to another. Planted on steep slopes, and pegged down, they hold the soil against erosion. They require no pruning in the spring except the cutting out of very old or dead wood, and the shortening of the laterals and long canes to make the growth conform to the space to be covered, but prune severely in July, directly after they have finished flowering. **Prices are for dormant plants, available from March 1 to May 15.**



Climbing American Beauty

***Apricot Glow.** Patent 200. Magnificent sort; flowers of light apricot, shading yellow. Dormant plants, \$1.50. In pots after May 1, \$1.85.

Climbing American Beauty. A pleasing rose-pink. Dormant plants, \$1.10. In pots after May 1, \$1.45.

Dr. W. Van Fleet. The long, pointed buds are of a rich flesh-pink. This is the easiest to grow and the most satisfactory of all the light pink climbing Roses and the plants are especially vigorous. Dormant plants only, \$1.10.

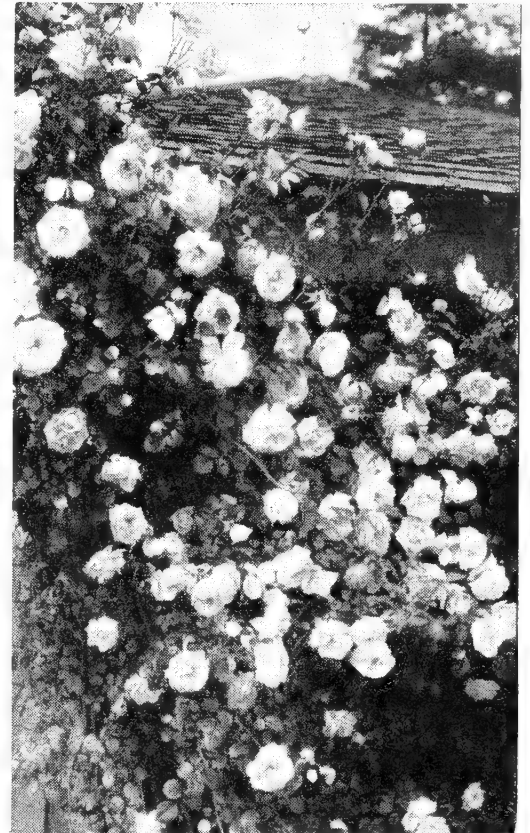
Golden Glow. Patent 263. A vigorous companion to Apricot Glow, but pure bright yellow blooms. Profuse bloomer. Dormant plants only, \$1.50.

Mary Wallace. Large, rose-pink flowers. Dormant plants only, \$1.10.

New Dawn (The Everblooming Dr. W. Van Fleet). Patent 1. Really the most satisfactory Everblooming Climber introduced. Flesh-pink in color. Dormant plants, \$1.25. In pots after May 1, \$1.60.

Paul's Scarlet Climber. A vivid scarlet which does not bleach or fade. Established plants often repeat several times during the season. Dormant plants, \$1.10. In pots after May 1, \$1.45.

Silver Moon. Pure white blooms; striking leathery foliage effective all season. Dormant plants, \$1.10. In pots after May 1, \$1.45.



New Dawn

Roses Growing in Pots

Ready May 1

Bush Roses (Hybrid Teas)

	Each
Anzac. Coral-rose.....	\$1 85
Apricot Queen. Apricot.....	1 60
Commando. Orange-buff.....	1 85
Crimson Glory. Velvety crimson....	2 10
Douglas MacArthur. Rosy salmon...	1 85
Glowing Carmine. Carmine.....	1 45
Golden Diamond. Yellow-gold.....	2 35
Gruss an Teplitz. Crimson.....	1 45
Heart's Desire. Red.....	1 85
Hinrich Gaede. Bicolor.....	1 45
Kaiserin A. Viktoria. White.....	1 45
Lily Pons. Yellow.....	1 85
McGredy's Scarlet. Scarlet.....	1 45
Mme. Chiang Kai-shek. Yellow....	2 35
Pearl Harbor. Rose-pink.....	1 85
Pink Diamond. Pink.....	1 85
Poinsettia. Scarlet.....	1 45
Radiance. Pink.....	1 45
Red Radiance. Red.....	1 45
Santa Anita. Deep pink.....	1 60
Shangri-La. Salmon-rose.....	1 85

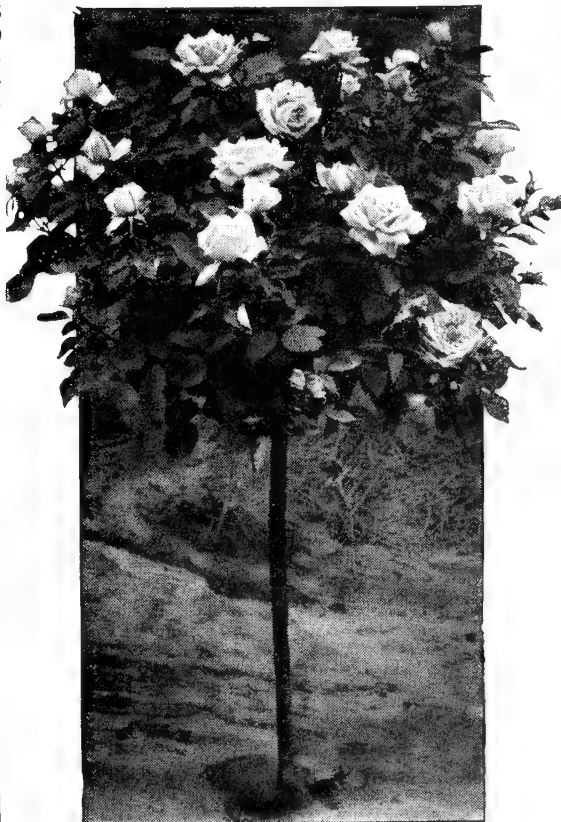
Climbers

Apricot Glow. Apricot.....	\$1 85
Climbing American Beauty. Rose..	1 45
New Dawn. Pink.....	1 60
Paul's Scarlet. Scarlet.....	1 45
Silver Moon. White.....	1 45

To Help You Choose

Everyone enjoys the *scent of Roses*, and all our everblooming varieties are fragrant; sorts marked * have a pronounced perfume, and those marked ** even more so.

The number of petals indicates the doubleness of a Rose; one with 17 is a semi-double bloom; one with 100 petals is heavy and tight.



Tree Rose

Tree Roses in Pots

Available May 1 until sold out
(usually by June 15)

Will bloom this summer on strong,
straight 3½-foot stems

Plant them in your hardy border or Rose-garden, where they will stand head and shoulders above their companions. Over winter they may be dug up and buried in a trench, or heeled in under a shed. In mild latitudes fix straw among the branches, without digging.

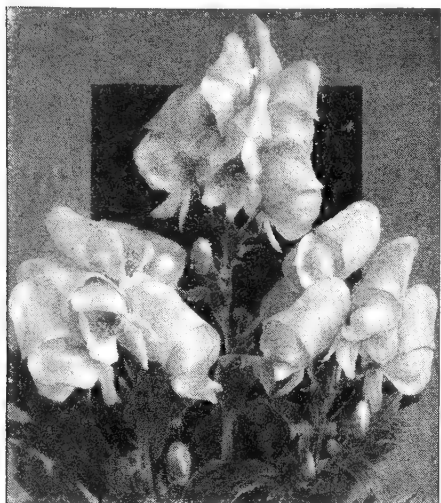
- *Autumn. Burnt-orange.
- **California. Patent 449. Ruddy orange, toned saffron; rose overlay.
- *E. G. Hill. Crimson-red.
- **Etoile de Hollande. Crimson-scarlet.
- *Golden Emblem. Delightful golden yellow.
- *Grenoble. Scarlet-crimson.
- **Heart's Desire. Patent 501. Velvety red.
- *Mme. Chiang Kai-shek. Patent applied for. Lovely yellow.
- *Mme. Jules Bouche. White. Fragrant.
- *Mrs. E. P. Thom. Yellow.
- *Mrs. P. S. du Pont. Deep yellow.
- *President H. Hoover. Mixture of scarlet, yellow and cerise.
- **Radiance. Delightful pink.
- **Red Radiance. Cerise-red.
- *Talisman. Mixture of red, orange, pink and yellow.

In pots only, ready after May 1,
\$6 each

THESE HARDY PERENNIAL PLANTS ARE

Our Perennial Plants are propagated in our nurseries at Farmingdale, Long Island, where the climate is conducive to rugged plants. Here we have humid summers and cold, wet winters with bitter winds.

These extremes of weather produce "tough" plants which will thrive anywhere. We do not offer as hardy, plants which are definitely not so. You may plant them with every confidence.



Aconitum Fischeri



Anthemis, Thora Perry



Anemone japonica

ACHILLEA. *Yarrow.* See pages 24 and 85.

ACONITUM. *Monksblood.* Very effective in shady places. Requires a woody soil. Root is poisonous.

Fischeri. Clear blue flowers. 3 to 4 ft. Sept.

Napellus. Rich dark blue. 4 ft. Aug.

Sparks' Variety. Deep violet-blue. Very stately, growing up to 5 feet.

Above 3 varieties, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

ÆTHIONEMA, Warley Rose. ★ *Rock-Daphne.* Rich pink. Resembles a miniature Daphne; very choice. 4 to 6 in. May, June. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

AJUGA. *Bugle-Flower.* Splendid carpeting plants and ideal ground-covers for sun or partial shade.

Metallica. ★ Bronze foliage and blue flowers. 4 to 6 in. June.

Multicolor. ★ Leaves are multicolored, varying from dark green to red, white, and yellow. 4 to 6 in.

Reptans alba. ★ Pure white flowers. 4 to 6 in. June.

Reptans, Pink Spires. ★ Very effective because of its soft pink flowers on long spikes. Perfect compact habit. Fine for the edges of paths and walks. 6 to 9 in. June, July.

ALOYSIA. See *Herbs*, pages 23 and 24.

ALYSSUM. *Basket of Gold.* These produce sheets of yellow flowers. Very suitable for rock-gardens, walls, and sunny borders.

Saxatile. ★ Golden yellow. 1 ft. May.

ANCHUSA. *Alkanet.* These rank among the best blue summer-flowering plants.

Italica, Dropmore. Very showy and effective in borders. Brilliant royal blue. 4 to 5 ft. July.

Myosotidiflora. ★ Produces sprays of turquoise-blue flowers resembling forget-me-nots. 1½ ft. May, June. \$1.20 for 3, \$4.50 per doz.

Anemone japonica • Windflower

There are no prettier flowers for the autumn than these. Thriving in borders, in sun or partial shade, they produce a charming picture from early September to late October with their beautiful chalice-like flowers ranging from pure white to rose and crimson. They revel in a woody soil, i.e., rotted leaves, peat, etc.

Geant des Blanches. Huge white flowers. 3 ft.

Hupensis. Early flowering. Rosy mauve. 1½ ft.

Queen Charlotte. Beautiful, large silvery rose flowers. 3 ft.

Rosea superba. Large deep rose flowers. 3 ft.

September Charm. Rosy pink. Very floriferous and popular. 2 ft.

Rubra. Dark crimson. 2 ft.

ANEMONE pulsatilla. *Pasque Flower.* ★ Lovely mauve flowers in late April and May. The flowers are covered with silky hairs and have golden stamens. 9 in.

Pulsatilla rubra. ★ A ruby counterpart of the above.

All Anemones, \$1.20 for 3, \$4.50 per doz.

ANTHEMIS. *Chamomile.* A lovely summer-flowering plant with elegant, finely cut foliage. Fine for cutting.

Thora Perry. A novelty from England, with bright yellow flowers. 3 ft. July, Aug. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

See also *Herbs* on pages 23 and 24.

ARABIS. *Rock-Cress.* ★ These make a wonderful spring display and are good for rock-gardens and as edgings for paths and borders. They are especially effective when associated with subjects like aubrietia and alyssum.

Albida fl.-pl. Pure white, fully double flowers, sweetly scented and resembling stocks. 9 in. May.

Rosabella. Very compact, with delicate pink flowers. 6 in. May.

Above 2 varieties, \$1.20 for 3, \$4.50 per doz.

Snowcap. Compact habit, with single white blossoms. 6 to 9 in. April.

Aquilegia • Columbine

Beautiful old-fashioned border plants of indescribable charm. Graceful spurred flowers, often two-colored, on long stems, are produced mostly in early summer. All are excellent for cutting.

Super-Spurred Colossal

A strain of gigantic-sized blooms, measuring 5 to 6 inches across, with spurs 4 inches long, covering a range of over 50 colors. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Long-spurred Varieties. All flower in June, and are from 2 to 3 feet in height.

Blue Shades **Yellow Shades**
Rose and Pink Shades **Sawco Hybrids**
Copper Shades

Longissima. Bright yellow, with spurs 3 to 4 inches long. 2½ ft. Usually blooms late, from July on.

Clematiflora. Very distinct in that the flowers resemble a clematis. A mixture of pastel shades, mostly pink and blue. 2 ft. June.

ARENARIA montana. *Sandwort.* ★ A fine rock-plant; large snow-white flowers in early spring. Excellent for walls.

Other *Arenarias* on page 85.

ARMERIA. *Thrift; Sea-Pink.*

Bees' Ruby. Large flowers are borne on long stems. Color is brilliant ruby-red. 1½ ft. May-Sept. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Cæspitosa. Rare and beautiful. Neat tufts of stiff green foliage studded with pale pink flowers. 3 in. June.

Farmingdale Giants. A selected strain of giant-flowering Thrifts with stems 2 to 2½ feet high. Excellent for cutting. Many shades of pink, salmon, strawberry, etc. July, Aug.

ARTEMISIA, Silver King. *Ghost Plant.* A very decorative plant with white, finely cut leaves. Excellent in the perennial border to accentuate the beauty of flowering plants. 3 to 4 ft.

Other Artemisias

Are listed on pages 23 and 24.

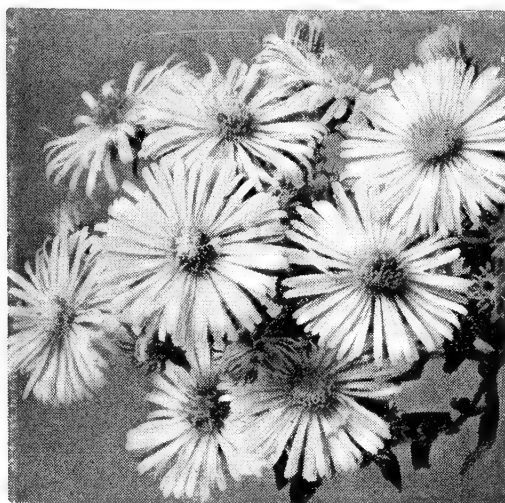
PRICES, unless otherwise noted, \$1.10 for 3, \$4.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

PRODUCED IN OUR OWN GARDENS

Easy to place them, because the height is shown on these pages. Average distance apart is 1 foot: tall, bushy or spreading types at wider intervals; dwarfier ones closer together.

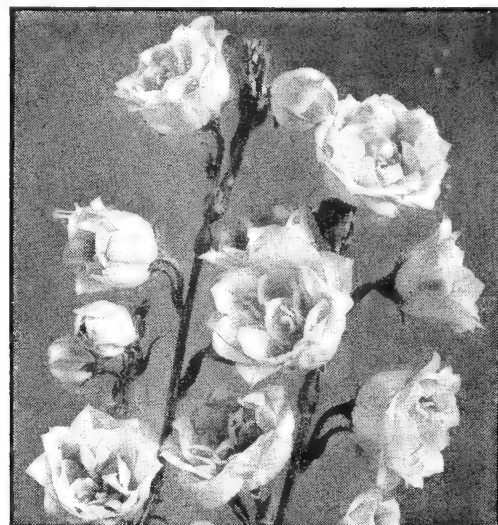
To fill bare space the first year, sow seeds of Annuals; one or more of the Collections described at the end of the Flower Seed Section will be found most helpful in this regard.



Aster, Harrington's Perfected Pink



Boltonia latisquama



Campanula persicifolia fl.-pl.

Aster • Michaelmas Daisy

Provide a wealth of bloom in September and October, and are as invaluable as chrysanthemums. Splendid for borders and also for naturalizing in woodland plantings. They thrive anywhere but have a preference for sandy loam and a dislike for overcrowding. The dwarf varieties provide much-needed fall color in the rock-garden.

Novæ-angliæ.

Harrington's Perfected Pink. The finest pink Aster yet introduced. A clear, soft pink. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Mt. Rainier. Pure white. A rare and beautiful novelty. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Red Cloud. Pure deep pink. A rare and very fine novelty. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Novi-belgi. All varieties flower in September and October.

Little Boy Blue. Bright blue semi-double flowers. 1½ ft.

Little Pink Lady. Large, semi-double, rich pink flowers. 1½ ft.

Mount Everest. Large, pure white flowers in great profusion. 4 ft.

Palmyra. Fine double pink.

Queen Mary. Very large, soft lilac-blue flowers with golden centers. 4 to 5 ft.

Strawberries and Cream. The flowers open deep pink, changing to a softer pink, the whole plant having a color combination distinctly its own. 4 ft.

ASTER, Various Species.

Alpinus, Goliath. ★ Large blue flowers with orange centers. 1 ft. June.

Amellus, King George. Large rich violet flowers. 2 ft. July.

Frikarti. Very free flowering, producing charming blue flowers of large size. One of the finest perennials of today. 2 ft. Aug.-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Hybridus luteus. Myriads of small starry yellow flowers on graceful stems. Compact. 2 ft. July-Sept.

ASTER, VIOLETTA. Novelty. Best dark blue yet introduced. Masses of beautiful flowers in September and October; highly recommended. 3 to 4 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

ASTER, Dwarf Hybrids.

Countess of Dudley. ★ Clear pink.

Snowsprite. ★ Pure white.

Victor. ★ Pale blue.

ASTILBE. *Spiræa.* These fine summer-flowering plants, with their graceful ferny leaves and spikes of soft plummy flowers, revel in rich, damp soil.

Amethyst. Deep violet-purple. 2 ft. June.

Bergristol. Fine white-flowered variety. 3 ft. June.

Fanal. Large heads of vivid vermilion blooms. Fine foliage. The best yet introduced. June-July. 2 ft. 75 cts. each, \$8.25 per doz.

Gladstone. Fine white. 1½ ft. June.

Gloria superba. Dwarf. Deep pink. 2 ft. June.

Rhineland. Delicate pink. 2 ft. June.

Above Astilbes, except where otherwise noted, \$1.50 for 3, \$5.50 per doz.

AUBRIETIA. See page 85.

AURICULA. See *Primula auricula*.

BALM. See *Herbs*, pages 23 and 24.

BAPTISIA. See page 85.

BEE BALM. See *Herbs*, pages 23 and 24.

BETONY. See *Herbs*, pages 23 and 24.

BOLTONIA. *Bolton's Starwort.* These have the appearance of Michaelmas daisies, but flower in August. Excellent for planting in wild gardens or for that bit of ground where "Nothing will grow."

Asteroides. Single; white. 5 ft.

Latisquama. Lilac-pink. 5 ft.

BURNET. See *Herbs*, pages 23 and 24.

CATNIP. See *Herbs*, pages 23 and 24.

CENTAUREA. See page 85.

CERASTIUM. See page 85.

CHAMOMILE. See *Herbs*, pages 23 and 24.

CHELONE. See page 85.

Campanula • Bellflower

These beautiful spring and summer flowering plants are most suited for the rockery and border. They are of easy culture.

Carpatica. ★ A compact-growing plant 6 inches high. Large clear blue flowers. July.

Carpatica alba. ★ White twin of the above.

Celtidifolia, E. Molyneux. Large panicles of pale blue flowers in great profusion in July and if cut back will flower again in the fall. 2½ ft. \$1.20 for 3, \$4.50 per doz.

Garganica. ★ Trailing habit. Covered with deep blue, starry flowers in July.

Olympica. Very graceful, like an enlarged Harebell. 30 in. June, July.

Persicifolia alba. Snow-white bells 1½ inches in diameter produced on long, wiry stems. 3 ft. June.

Persicifolia, Blue Spire. Very attractive spikes of opalescent blue on strong, sturdy stems. 3 ft. June, July. 65 cts. each, \$1.85 for 3, \$7 per doz.

Persicifolia fl.-pl. A good border plant with pale blue, double flowers. Fine for cutting. July. \$1.20 for 3, \$4.50 per doz.

Persicifolia, Telham Beauty. Long, wiry 3-foot stems with large, single, silvery lavender-blue bells. July. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

CANTERBURY BELLS. These grand old-fashioned border plants provide a wealth of blooms in June and July.

Offered with single flowers:

Blue Pink White Mixed

Carnations

These hardy plants prefer a well-drained soil and a sunny location. The flowers, which are produced from June until autumn, are large and of the most beautiful colors.

Perpetual Large-flowering. Raised from the choicest English seed. Very vigorous. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

CHRYSOGONUM virginianum. *Golden*

Knee. ★ Ground-cover for sun or partial shade. Grows 4 to 6 inches high and requires a rich woody soil. Bright starry golden yellow flowers are produced from May to August; handsome dark green foliage. \$1.20 for 3, \$4.50 per doz.

PRICES, unless otherwise noted, \$1.10 for 3, \$4.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock Garden and edging the Perennial Border

CHRYSANTHEMUMS

Beautiful autumn-flowering types ring down the curtain with lavish displays during September and October. All have good foliage, and, unless stated otherwise, they average 2½ to 3 feet in height.

Mulch Chrysanthemums over the winter; dig up and replant every spring, working General Garden Fertilizer into the soil.

AVAILABLE AFTER JULY 1. Field-grown clumps of the sorts listed below, \$1.50 ea.

Single Varieties

†**North Star.** *New.* Pure white. Starts blooming mid-Sept. through five or six weeks. For garden decoration and cutting. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Acacia. Graceful sprays of brilliant yellow.

Autumn Lights. Brilliant coppery brown.

Hebe. Soft luminous pink flowers with a delicate silvery halo. Beautiful.

Kristina. Large; brilliant red.

Double Korean Chrysanthemums

†**Burma.** *Novelty* of great merit; compact and very floriferous. Bright bronze, orange and copper overtones. Late Sept. 75 cts. each, \$2.10 for 3, \$8.25 per doz.

Burgundy. Stiff, strong stems. Rich, glowing wine-color. Large flowers.

Carrie. Fine double sort that comes into bloom quite early. Clear, pale yellow.

Cydonia. Splendid orange-mahogany variety

Eugene Wander. A large-flowered golden yellow, blooming early in the autumn.

Lavender Lady. One of the largest doubles; flowers are 4 inches in diameter, of an exquisite lavender-orchid.

Mrs. P. S. du Pont. Soft peach-pink with salmon-fawn overtones.

A Low-growing Chrysanthemum

Tasiva. Dwarf mound-like plant with many large pure white flowers. 1½ ft. Oct.

Cushion Chrysanthemums

Perfect mound-like habit with hundreds of flowers. Blooms from late August on.

Bronze Red Yellow White Pink

Pompon Chrysanthemums

†**Harbor Lights.** *Novel.* Pale cream-yellow, soft yet sparkling. Sept. 25.

†**Mandalay.** Also *New.* Brilliant orange-bronze; ideal for cutting. Oct. 1.

Above 2, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Irene. Often has 300 white buttons on a plant; long stiff stems. 2½ ft. Oct.

Judith Anderson. Brilliant yellow buttons, shading to orange. 2 to 2½ ft. Oct.

Lilian Doty. Large incurved pink. 3 ft. Oct.

Red Doty. Red counterpart of Lilian Doty.

September Cloud. White shaded primrose.

September Bronze. Beautiful bronze.

September Gold. Brilliant golden.

Yellow Doty. Rich golden yellow.

Collections

Four New Varieties marked † above, and illustrated on page 81.

4 plants, one each.....\$2.25
12 plants, three each.....6.00
24 plants, six each.....11.50

CHRYSANTHEMUM maximum. *Shasta Daisy.* Highly decorative and shapely plants. Flowers are glistening white, and with most varieties are produced in June and July, but Esther Reed blooms for a longer period. All are of very easy culture and most suitable for cutting.

Alaska. Large white flowers 3 inches across. 2 ft. June.

Earliest of All. Large, pure white flowers in early June. 2 ft.

Esther Reed. A large double pure white Shasta Daisy with flowers on sturdy stems. Perfect for cutting. Blooms all summer. 1½ ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

CHRYSANTHEMUM Leucanthemum, White Swan. A double white Ox-eye Daisy flowering in June and July. 2½ ft. \$1.20 for 3, \$4.50 per doz.

CHRYSANTHEMUM nipponicum. A very hardy shrubby specimen with large leathery leaves and 2-inch, pure white flowers in late August. 2½ ft.

CORONILLA cappadocica. A trailing plant with a profusion of golden pea-shaped flowers. July, Aug.

COREOPSIS Tickseed. Old-fashioned border plants of very easy culture. Great profusion of flowers in July and Aug.

Mayfield Giant. An improvement on the old *C. grandiflora*, with larger yellow flowers and longer stems. 3 ft.

Perry's Variety. Beautiful semi-double flowers of rich golden yellow. 2½ ft.

Verticillata. ★ Dwarf, compact plant 9 to 12 inches tall. Myriads of starry orange flowers from June until September.

COSTMARY. See Herbs, pages 23 and 24.

CYNOGLOSSUM nervosum. A very choice plant of easy culture, with brilliant gentian-blue flowers in July. 1½ ft.

Daphne Cneorum • Garland Flower

★ A dwarf evergreen shrub with clusters of bright pink, intensely fragrant flowers in May, and again in September. It prefers a sandy, peaty soil. 9 to 12-in. plants, \$1.50 each, \$16.50 per doz.



Daphne Cneorum (Garland Flower)

Sawco Long-Island-grown

Delphiniums • Perennial Larkspurs

Aptly named the king of border plants, and despite the general opinion that it is of difficult culture, quite the opposite has been our experience. First, provide a well-drained soil; second give bonemeal, and careful additional feedings of our General Garden Fertilizer. Spray with Bordeaux. Should mildew appear, dust with sulphur.

Super-Gold Medal Hybrids. A splendid color-range from light blue to deep purple. Yearling plants, \$1.10 for 3, \$4.25 per doz.; 1-yr. plants, \$1 each, \$11 per doz.; 2-yr. plants, \$1.50 each, \$16.50 per doz.

Belladonna. Clear turquoise-blue with a glistening sheen. \$1.10 for 3, \$4.25 per doz.; 2-yr.-old plants, \$1 each, \$11 per doz.

Belladonna, Cliveden Beauty. Bright sky-blue flowers on very large spikes. 4 ft. July. \$1.20 for 3, \$4.50 per doz.

Bellamosa. A dark blue form of Belladonna. The two go very well together.

Chinensis. Deep blue flowers and finely cut foliage. 2 ft. July.

Chinensis alba. A white form of the above.

PACIFIC HYBRIDS. These plants with their very fine foliage and long, well-balanced spikes of flowers, are extremely vigorous and very resistant to disease.

Blue Jay. Blue with gray overtones.

King Arthur Series. Royal violet.

Guinevere Series. Light lavender-pink.

Summer Skies Series. Clear light blue.

White Series. Clear glistening white.

Round Table. Mixture of all colors.

The Pacific Hybrids are 65 cts. each, \$1.85 for 3, \$7 per doz.

DIANTHUS. *Garden Pinks.* Plants of compact habit with fragrant flowers.

Beatrix. ★ Light salmon-pink, exquisitely scented flowers from May to Nov. 9 in.

Bobby. ★ A little gem with deep pink flowers, each with a crimson ring in the center. \$1.20 for 3, \$4.50 per doz.

Her Majesty. ★ Large pure white, intensely fragrant flowers. 1 ft. June.

Little Joe. ★ This lovely novelty flowers all summer and fall. It has beautiful gray-green foliage, almost blue in effect, with large single rich crimson flowers. A gem in every way. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

New Blue. ★ The foliage of this splendid novelty is dark green. Its flowers, which resemble a sweet william, are profusely borne on 9-inch trusses and are of the most exquisite lavender-blue color. July-Sept. See illustration inside back cover. \$1.20 for 3, \$4.50 per doz.

Scotch or Florists' Pinks. ★ A wide range of colors in single and double. 1 ft. June.

Silvermine. ★ *Novelty.* Like Beatrix except that the flowers are pure white.

Barbatus. See Sweet William.

DICENTRA. *Bleeding-Heart.*

Eximia. *Fringed Bleeding-Heart.* ★ A dwarf-growing plant with finely cut fern-like leaves and racemes of rose-pink flowers. Requires a woody soil. 1 ft. Apr. \$1.20 for 3, \$4.50 per doz.

Spectabilis. The very graceful, old-fashioned Bleeding-Heart which produces beautiful, bright rose, heart-shaped flowers on slender stems. 65 cts. each, \$1.85 for 3, \$7 per doz.

PRICES, unless otherwise noted, \$1.10 for 3, \$4.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-Garden and edging the Perennial Border



Gaillardia, The Imp

DIGITALIS. *Foxglove.* Valuable plants for borders, woods, and wild gardens, with lush foliage and long spikes of beautiful tubular flowers. Useful subjects for the shaded portions of your herbaceous border.

Giant Shirley. In colors: pink, white, purple, and yellow. 5 to 6 ft. June.

DORONICUM. *Leopard's Bane.* Exceptionally handsome early-flowering perennials of very easy culture in ordinary garden soil, in sun or semi-shade. Excellent for cutting.

Clusi. ★ Bright yellow flowers on 9-inch stems. May.

Excelsum. Yellow flowers 2 to 3 inches in diameter on 2½-foot stems. May.

Pardalianches. *Golden-bunch Doronicum.* Bright yellow. 2½ ft. June.

Above Doronicums, \$1.20 for 3, \$4.50 per doz.

ECHINOPS Ritro. *Globe Thistle.* A striking plant with handsome, silvery, thistle-like foliage and metallic-blue flowers. 3 to 4 ft. July.

Taplow Blue. Many heads of brilliant blue flowers. Good for cutting. 3 to 4 ft. July. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

EPIMEDIUM. See page 85.

ERODIUM. See page 85.

EUPATORIUM. *Hardy Ageratum.* Robust plants especially suitable for herbaceous borders and wild and woodland gardens.

Ageratoides. Pure white flowers and dark green leaves. 2 ft. Aug.

Cœlestinum. This pretty plant, with its light mauve-blue flowers, is excellent when associated with other fall-flowering plants. 2 to 3 ft. Aug.

The Delightful Fragrance of an Old-World Garden

Capture it by planting Scented Geraniums. See page 23.

Also other perfumed herbs and perennials like Bee-Balm, Carnation, Lavender, Lemon Verbena, the Mints, Pinks, Scabiosa, the Thymes, Woodruff.

Bulbs like Lilies, Lily-of-the-Valley, Tuberoses.

Annuals like Alyssum, Antirrhinum, Heliotrope, Mignonette, Nasturtium, Night-scented Stock, Petunia, Sweet Sultan, Ten-week Stock, Tobacco.

FUCHSIA, Scarlet Beauty

It is of upright habit and blooms freely during the entire summer. While it will stand the full sunlight, it delights in semi-shade. The four sepals are deep purple, the corolla bright ruby-red. Requires some protection north of Philadelphia. 3-in. pot-plants, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

FUNKIA. *Plantain Lily.* Hardy subject that is especially suitable as a foliage plant in dark and shady places.

Fortunei robusta. Glaucous green foliage. Lilac-blue flowers. 2 ft. July.

Lancifolia albo-marginata. Striking green and white variegated foliage. Blue flowers. 2 ft. July.

Subcordata grandiflora. Large leaves of refreshing green and tremendous spikes of pure white flowers. 1½ to 2 ft. July. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Gaillardia • Blanket Flower

Produce a continual display of richly colored flowers from June until October and are unsurpassed for their brilliance.

Goblin. A dwarf variety. Bright yellow flowers with a deep red zone. 12 to 15 in. **Portola.** Coppery scarlet flowers margined with gold. 2½ ft.

S. & W. Giant Hybrids. A grand strain from all the best hybrids. 2½ ft.

Above 3, \$1.20 for 3, \$4.50 per doz.

Mr. Sherbrook. A grand variety with large round flowers of pure yellow, on long stems. 2 ft.

Ruby. A ruby-red companion of Mr. Sherbrook; effective when planted together. 2 ft.

Above 2, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

The Imp. ★ *Novelty.* Large, bronze-crimson flowers on 4-in. stems. A compact mound 18 to 24 inches across. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

GERANIUM pectinatum. *Crane's-Bill.* ★ A very pretty plant of compact habit with most attractive small Geranium-like leaves and rosy pink flowers. 1½ ft. \$1.20 for 3, \$4.50 per doz.

Patulum. Large, brilliant blue flowers. 18 in. June, July. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Gypsophila • Baby's Breath

They are essentially for summer bouquets, and in the border their light, airy appearance will greatly enhance all other perennials.

Acutifolia. Lilac-rose flowers in light, graceful panicles. 3 ft. July.

Bristol Fairy. Very graceful, and one of the most popular varieties for cutting, having huge panicles of pure white double flowers. 4 ft. July, Aug. 1-yr. pot-plants, 55 cts. each, \$1.50 for 3, \$5.50 per doz.; 2-yr. field-grown, 75 cts. each, \$2.15 for 3, \$8 per doz.

Pacifica. Rose-colored sort, flowering later than *Paniculata*. 2½ to 3 ft. Aug.

Paniculata. Masses of small, pure white, single flowers. 2½ to 3 ft. July.

Repens Bodgeri. ★ A dwarf variety, excellent for edgings and the rock-garden. Very light pink, double flowers. 1 ft.

GERBERA. *Transvaal Daisy.* These beautiful daisy-like flowers 4 to 5 inches in diameter, embrace shades of red, orange, rose, to white and yellow.

Jamesoni Hybrids, Single. A splendid mixture of all shades. July-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Jamesoni Hybrids, Double. Perfectly double flowers of the most beautiful pastel shades. 75 cts. each, \$8.25 per doz.

Geum • Avens

Beautiful, hardy, low, compact plants from which arise the graceful stems bearing their bright-colored blossoms.

Dolly North. Semi-double flowers of rich apricot. 2 ft. June-Sept.

Fire Opal. Semi-double, orange-scarlet flowers. Very striking. 2 to 2½ ft. June-Sept.

Princess Juliana. Very large, semi-double flowers of pure orange. June-Sept.

Wilton Ruby. ★ *Novelty.* Semi-double, brilliant ruby flowers with orange overtones. 1½ ft. July-Sept.

All above Geums, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

HEDERA Helix. ★ *English Ivy.* Fine for under trees, on banks or against walls. Good trailing or climbing plant. 2¼-in. pots, \$2.50 per doz., \$15 per 100.

HELENIUM. *Sneezewort.* Fall-flowering perennial of easy culture. The flowers have warm autumn tints; excellent for cutting.

Riverton Beauty. Lemon-yellow. 4 to 5 ft. Aug., Sept.

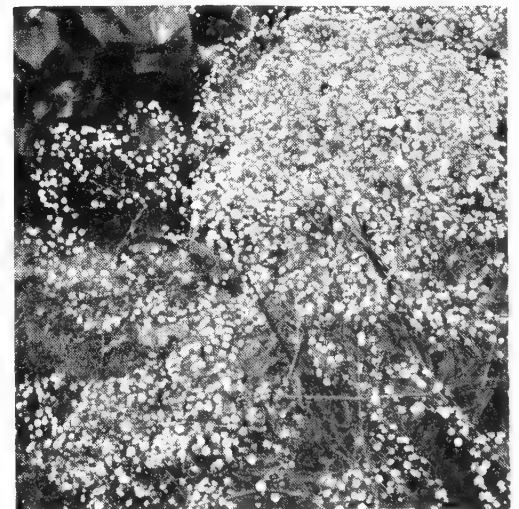
Riverton Gem. Crimson-brown, shot with gold. 4 to 5 ft. Aug., Sept.

HELIANTHEMUM. *Sun Rose.* ★ Dwarf, evergreen, shrubby plants with myriads of brilliantly colored flowers in June and July. 6 to 10 in. We offer in Yellow, Orange, Scarlet, Pink, White, or Mixed.

HELIANTHUS. *Perennial Sunflower.* Tall, choice border plants, fine for naturalizing and for providing an abundance of cut-flowers in late summer.

Monarch. Large, deep yellow-orange, single flowers. 5 ft. Aug., Sept.

Soleil d'Or. Double, 3-inch dahlia-like flowers of rich yellow. Excellent for cutting. 4 to 5 ft. July until late Sept. \$1.20 for 3, \$4.50 per doz.



Gypsophila, Bristol Fairy

PRICES, unless otherwise noted, \$1.10 for 3, \$4.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

HELIOPSIS. North American Ox-Eye.

Choice perennial, easily grown, its only requirement being plenty of sunshine.

Incomparabilis. A grand plant that blooms in June and July; if cut back in July it will start again in September and bloom until frost. The individual flowers are 3 inches across and of the richest golden yellow. 2½ to 3 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Patula. European Novelty. Rich cadmium-yellow; 3 rows of erect petals. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Hemerocallis • Day-Lily

Graceful grass-like foliage sets off the fragrant lily-like flowers. We offer varieties blooming from May until July. After each variety is the date on which our first blooms appear. Flowering period is from 4 to 6 weeks.

Bay State. Large; orange. 3 ft. June 25. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

D. D. Wyman. Large; golden yellow with brown bars. 3 ft. June 17. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Dover. Large; gold. May 25. 2½ ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Dr. Regel. Rich orange-yellow; fragrant. 2 ft. May 20.

George Yeld. Large; golden yellow with brown suffusion. 3½ ft. July 1. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Gold Dust. Orange. 2½ ft. May 25.

Goldeni. Golden yellow. 3 ft. June 8.

Gypsy. Very deep orange. 4 ft. June 17. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Hyperion. Citron-yellow. Considered the finest. 3½ ft. 75 cts. each, \$2.15 for 3, \$8 per doz.

J. A. Crawford. Fine apricot-yellow. 4 ft. June 17. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Lemona. Large; pale yellow. 3½ ft. June 17. 75 cts. each, \$2.15 for 3, \$8 per doz.

Mikado. New. Rich orange, purple shading. 75 cts. each, \$2.15 for 3, \$8 per doz.

Ophir. Tall; lemon-yellow. 4 ft. June 25. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

The Gem. Pale gold. 3 ft. June 15. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Collections

1 plant each of the above 6 varieties marked ●, value \$3.50, \$2.75

3 plants each of the above marked ●, \$8.

New Dwarf Hemerocallis

The following are low-growing plants, averaging no more than 18 to 24 inches. Perfectly hardy and of easy culture, they bear hundreds of flowers each season when once established. Excellent for edging borders, paths, and driveways.

Dumortieri. Bright yellow, shaded brown. May, June.

Gracilis. Pale soft yellow; the dwarfest of all. May, June.

Middendorff. Bright yellow-orange. June, July.

Minor. Narrow grass-like foliage. Pure yellow. June, July.

Orangeman. Beautiful orange-yellow. Early June.

Above Dwarf Hemerocallis, 65 cts. each, \$1.85 for 3, \$7 per doz.

COLLECTIONS OF DWARF HEMEROCALLIS

5 plants, one each of the above, \$3
15 plants, three each, \$8.50



Hollyhocks

Helleborus

(Hellebore; Christmas Rose; Lenten Rose)

Hellebores need a good, deep, rich soil and semi-shade. They look well planted at the base of a broad-leaved evergreen, or in a sheltered nook in the rock-garden. They should not be disturbed; after a year or so, they will throw their beautiful flowers in ever-increasing profusion.

Niger. Christmas Rose. ★ Big, dark green, leathery leaves, and very large white flowers in December. 1 ft. \$1.50 each, \$16.50 per doz.

HEUCHERA. Alum-Root; Coral Bells. ★ Splendid plants of compact habit. Graceful spikes of flowers.

Bloom's Variety. Large, rich red flowers on 18-inch stems. Pretty mottled foliage.

Oakington Jewel. Vigorous spikes of many small coral-pink bells. Beautiful dark mottled foliage.

Snowflake. Sturdy 18-inch spikes of large pure white flowers.

Above Heucheras, \$1.20 for 3, \$4.50 per doz.

Hollyhocks

(*Albæa rosea*.) These old favorites, gay with color during July and August, are striking as a background for other flowers in the perennial bed and in the shrubbery.

Haile Selassie. The Black Hollyhock. The plants grow 6 to 8 feet high, with large, perfectly set flowers of a dark chocolate color which is further enhanced by beautiful pale yellow stamens. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

SUPERB DOUBLE HOLLYHOCKS.

Newport Pink	White
Double, Mixed	Yellow
Scarlet	

Above Hollyhocks, \$1.10 for 3, \$4.25 per doz.

HIBISCUS. Mallow. Strong-growing perennials with beautiful flowers 4 to 5 inches in diameter in August. 5 to 6 ft.

Mallow Marvels. Red, White, and Pink. White-with-Crimson-Eye, Pink, and Red.

Iris vulgaris

Bearded Iris; Flag; Fleur de Lys

June-blooming

These beautiful flowering plants are one of the mainstays of the garden. They are all of easy culture, simply requiring a well-drained soil and plenty of sun. Care should be taken not to plant too deeply.

Alta California. Beautiful yellow. 4 ft.

Ambassadeur. Standards rosy lilac; falls rich purple.

Athene. Tall bearded white.

Dauntless. Velvety near red. 40 in.

Dazzler. Deep rose; very fragrant.

Euphony. Yellow; falls flushed blue. 3 ft.

Evolution. Tall bearded, self yellow.

Frieda Mohr. A giant pink variety.

Goblin Red. Ox-blood-red. Quite distinct.

Gold Imperial. Deep chrome-yellow.

Grisette. Pleasing blend of violet, old-gold and light brown.

Grace Sturtevant. Rich mixture of dark red, brown, and violet-carmine, with a velvety finish on the falls. A striking feature of this flower is the prominent bright golden beard.

Henri Riviere. An excellent flower in delicate shades of soft yellow and pale lilac-mauve. The lilac shading is very delicate, so that the general effect is yellow. 3½ ft.

Indian Chief. Classed as one of the superior reds; it carries a bronzy overcast. Very large flower, quite tall, and well branched.

Midgard. Fine yellow variety with a suffusion of pink.

Milky Way. Milk-white, veined light lavender. Beautiful indeed.

Mrs. Valerie West. Brown-red and crimson; large, fragrant flower. 3 ft.

Pioneer. Rich red-purple.

Queen Catherine. Very large pale blue flowers. Sweetly scented.

Rameses. Combination of rose, pink, and buff. 3 ft.

Seminole. Velvety red-purple with a bright orange beard.

Wedgwood. One-color flower—delicate pottery blue.

Spring and Fall-blooming Iris

This splendid group has evoked great interest in the garden world because after flowering profusely in the spring they blossom again in the fall, after they have become well established.

Autumn King. Blue-purple of good substance. 3 ft.

Autumn Queen. A very pretty white, dwarfer than the King.

Dorcas Hutchinson. Very fragrant; deep violet self. Of great merit. 1½ ft.

Eleanor Roosevelt. Royal purple. 26 in.

Equinox. Reddish purple with darker falls. 26 in.

Peggy Babington. Rich clear canary-yellow. 28 in.

September Skies. Purple-red. Excellent companion to Golden Harvest. 16 in.

All above Iris, \$1.10 for 3, \$4.25 per doz.

COLLECTION No. 108

1 each of the above 7 varieties, \$2.25.

3 each of the above 7 varieties, \$6.25.

PRICES, unless otherwise noted, \$1.10 for 3, \$4.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★Dwarf plants for the Rock-garden and edging the Perennial Border



Crested Iris



Bearded Iris



Oriental Iris



Siberian Iris



Miniature Iris

Iris kaempferi • Oriental Iris

These flower after the Bearded Irises have gone, and will do well in almost any location, but especially well where it is moist.

IMPROVED VARIETIES.

Elbrus. Double, clear lavender flower of immense size and splendid substance.

Light-in-the-Opal. Double; orchid-pink with glistening sheen.

Mahogany Giant. Deeper shade of velvety maroon than Mahogany, and larger.

Violet Giant. Rich violet; semi-double; frequently 27 inches in circumference.

White Giant. White with yellow markings.

Above Improved Irises, \$1 each, \$11 per doz.

STANDARD VARIETIES.

Ruby King. Double; ruby-crimson.

Blue Queen. Deep blue, veined yellow.

La Favorite. Double; white, veined blue.

Mrs. George Stumm. Single; white with lavender center.

Painted Lady. Single. A beautiful combination of pink and white.

Pyramid. Tall. Dark violet-purple, yellow blotch.

Templeton. Double; light violet, mottled reddish pink and white.

Violet Beauty. Deep violet; single.

All Standard Irises, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Iris sibirica • Siberian Iris

They make large clumps of decorative grassy green foliage and produce an abundance of flowers excellent for cutting. 3½ to 4 ft. June.

Emperor. A dark violet-blue.

Perry's Blue. Clear sky-blue.

Snow Queen. Pure white.

Miniature Irises

★ An early dwarf type, blooming along with the daffodil. Beautiful and delicate in appearance, yet especially hardy. Recommended for the rock-garden, for edging the border or alongside the garden path.

Fauntleroy. ★ Standards white edged soft yellow; falls purple edged yellow. 6 in.

Mogador. ★ Milk-white standards; falls soft yellow. 12 in.

Rose Mist. ★ Soft rose-lilac. 10 in.

Sound Money. ★ Rich golden yellow. Blooms spring and fall. 8 in.

Tampa. ★ Brilliant mulberry-red. 1 ft.

Tony. ★ Brilliant dark ruby-red. 1 ft.

PRICES, unless otherwise noted, \$1.10 for 3, \$4.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

IRIS PUMILA. ★ Dwarf Iris. Lovely little Iris only 8 inches high. Blooms in April and May. Useful for the rock-garden; can also be used for edging.

Excelsa. ★ Pale lemon-yellow.

Sambo. ★ Dark violet-blue.

Schneekuppe. ★ A large showy white.

IRIS CRISTATA. Crested Iris. ★ Large crested flowers of soft amethyst-blue with a touch of gold. May. 4 to 6 in. \$1.20 for 3, \$4.50 per doz.

IBERIS. Perennial Candytuft. ★ Beautiful dwarf evergreen plants thriving in sun or partial shade. Useful for the rock-garden and for edging.

Gibraltarica. Beautiful pale lilac flowers in great profusion. May. 9 in.

Sempervirens, Little Gem. Compact little bright green plant, becomes a mass of white flowers in June. 6 to 8 in.

Sempervirens, Snowflake. A strong variety with green leaves and heads of perfect snow-white flowers in May. 1 to 1½ ft.

LAVANDULA. Lavender. Old-fashioned, fragrant plants with beautiful gray foliage and wiry spikes of lavender-blue flowers. The whole plant is aromatic and the flowers are much used in the making of sachets.

Delphinensis. A very hardy dwarf Lavender, growing dense and compact. Gray foliage.

Dentata. Fine green foliage with serrated edges. The plant has a nice compact habit; is in flower all summer and fall.

Twinkle Purple. A new variety with deep purple-blue flowers. 2 ft.

Munstead Strain. A taller-growing variety with gray-green foliage. 2 to 2½ ft. June.

See also Herbs, pages 23 and 24.

LINUM. Flax.

Flavum. A dwarf shrubby plant with bright golden yellow flowers from June to August. 1 ft.

Perenne. Old-fashioned border plant, absolutely indispensable. The foliage is light and graceful, and its bright blue flowers rest on the plant like blue butterflies. Myriads of blooms are produced incessantly from June until the autumn.

LOBELIA cardinalis. Cardinal Flower; Indian Paint-Brush. A lovely plant, ideal for semi-shady locations or near the water's edge and a gem for naturalizing. Brilliant scarlet flowers. 3 to 4 ft.

LIATRIS. Blazing Star; Gayfeather. These showy North American natives all have grassy leaves and extremely bold spikes of flowers.

Pycnostachya. A most attractive perennial with long spikes of rich purple flowers. 4 ft. Sept.

Scariosa alba. A splendid new variety with very heavy spikes of snow-white flowers produced in September. A grand border plant for this time of year. 5 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Scariosa, September Glory. A new introduction and a veritable giant, growing up to 7 feet high. The gigantic flower-spikes are a rich purple from top to bottom, and in late September make a marvelous display. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Lupinus polyphyllus • Lupine

Extremely handsome perennial with beautiful palmate foliage and long spikes of brilliantly colored pea-shaped flowers in June and July. They like partly shaded, well-drained spots with soil that is not too rich and free from lime. They hate to be moved.

Blue Shades
Rose Shades

Red Shades
Mixed Shades
Pure White

Russell Lupins. The much-publicized hybrid Lupins from England. These wonderful plants bear tremendous spikes in colors and combinations never seen before, the fruit of years of careful work. 3 to 5 ft. June, July. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

LYCHNIS. Rose Campion; Catchfly. A handsome plant of easy culture in any garden soil. They like a sunny situation and are excellent for beds or perennial borders.

Chalcedonica. A striking plant. Heads of vivid scarlet flowers in June and July. 3 to 4 ft.

Viscaria splendens fl.-pl. ★ A wonderful plant making a tuft of grassy foliage from which arise stiff stems, smothered with large, double, and extremely beautiful rose-pink flowers in great profusion. 15 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

LYTHRUM, Red Beacon. A great improvement on the old-time Purple Loosestrife. Tall cerise-pink spikes. 3 ft. Aug.-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

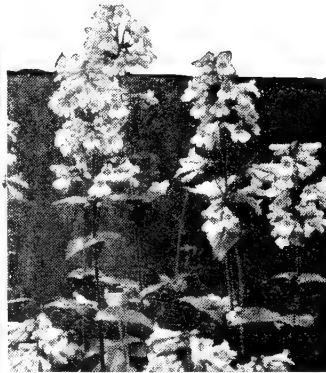
MARJORAM. See Herbs, pages 23 and 24.



Myosotis



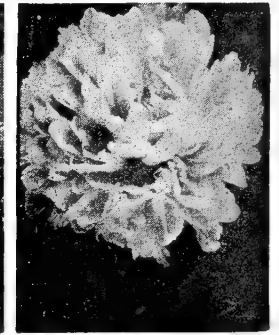
Pachysandra



Pentstemon



Nepeta



Peony

MATRICARIA inodora plenissima. *Chamomile; Feverfew.* A double white variety with attractive ferny foliage and an abundance of flowers. June, July. 2 ft.

MAZUS reptans. ★ A beautiful plant of carpeting habit, fine for the rock-garden, especially in the crevices of walks and steps. It grows 1/2 inch high, and in spring is smothered with lilac flowers.

MINT. See **Herbs**, pages 23 and 24.

MONARDA. *Bee-Balm; Oswego Tea; Bergamot.* Old-fashioned plants of easy culture anywhere. Highly aromatic leaves and pretty spikes of flowers.

Dahliatown Orchid. A novelty of great merit. Charming orchid-pink flowers. 2 1/2 to 3 ft. July. \$1.20 for 3, \$4.50 per doz.

Didyma rubra. Bright red flowers in July. 2 1/2 ft.

Didyma, Salmon. A salmon-flowered variety of the above. 2 1/2 ft. July.

See also **Herbs**, pages 23 and 24.

Myosotis • Forget-me-not

Palustris semperflorens. ★ It is of creeping habit and flowers from June until September. The florets are of a beautiful clear pale blue with small yellow eyes. 6 in.

NEPETA. *Ground Ivy.* Old-fashioned plants of easy culture in the poorest of soils. They should be cut back after flowering, which will produce a very compact plant.

Mussini. ★ Masses of large blue flowers in June. 9 in.

Six Hills Giant. ★ A new hybrid with larger flowers and foliage. 1 ft.

NEPETA Cataria. *Catnip.* See **Herbs**, pages 23 and 24.

ECNOTHERA. *Evening Primrose.* ★ Striking plants for sunny location.

Glaucia Fraseri. Golden yellow cups in July and August. 1 to 1 1/2 ft.

Illumination. *Novelty.* Long salmon-pink buds and golden yellow 1 1/2-inch flowers. Hundreds of flowers from June to fall. 1 1/2 to 2 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PACHYSANDRA terminalis. *Oriental Spurge.* Fine ground-cover for shade or semi-shade. Its bright glossy green foliage is invaluable for bordering walks and drives. It is often used with success under trees where nothing else will grow. For quick results, plant 9 inches apart. Height 6 to 9 in. Plants from 3-in. pots, \$2.75 per doz., \$20 per 100; 2-yr. field-plants, \$2.50 per doz., \$17.50 per 100, \$150 per 1000.

PRICES, unless otherwise noted, \$1.10 for 3, \$4.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ *Dwarf plants for the Rock-Garden and edging the Perennial Border*

Pentstemon

Digitalis. *Beard-Tongue.* Spikes of white flowers with delicate mauve shadings, produced in great profusion in June and July. 4 to 5 ft.

Firebird. Flowers are a fine rich scarlet. In bloom all summer and fall. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Garnet. Large-flowered; garnet. Fine for cutting all summer. 18 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Peonies

They require a deep rich soil and should be planted so that the eyes are about 2 inches beneath the surface. To each root we recommend a 4-inch pot of bonemeal at planting-time, which should be well mixed in the soil about the roots. If planted in the fall, we recommend also a blanket of manure or Mulcho-Nure the first winter. Our plants are all 2 or more years old. They will not throw much bloom the first season, but should be established by the following year.

WHITE SHADES, DOUBLE.

Baroness Schroeder. Very large, tinted with delicate light pink; fragrant. \$1.50 each, \$16.50 per doz.

Festiva maxima. Large flowers with feathered petals and crimson flecks in the center. \$1.25 each, \$13.75 per doz.

Kelway's Glorious. Highly rated (9.8) by the American Peony Association. Very full gleaming flowers of enormous size; sweetly scented. \$3 each, \$33 per doz.

Le Cygne. The highest rating of any Peony (9.9). Creamy white. Very floriferous. \$2 each, \$22 per doz.

Solange. Broad, rounded petals suffused with a reddish gold light. A very strong grower, flowering in late midseason. \$2 each, \$22 per doz.

PINK SHADES, DOUBLE.

Katherine Havemeyer. Large, fully double flowers of apple-blossom-pink; sweetly fragrant. Very early. \$2 each, \$22 per doz.

Mme. Ducl. Sparkling pink with silver tones. True globe-shaped flower on a strong-growing plant. Midseason. \$1.50 each, \$16.50 per doz.

PEONIES, RED SHADES, DOUBLE.

Felix Crousse. Brilliant red flowers, large, compact, and globular. \$1.50 each, \$16.50 per doz.

Francois Rousseau. A fine variety with a dark silky sheen at the base. \$1.50 each, \$16.50 per doz.

Karl Rosenfield. Very fine rich blood-crimson flower. Strong grower. Free flowering; early. \$1.50 each, \$16.50 per doz.

Philippe Rivoire. Early-flowering dark crimson; very symmetrical and with a rich rose scent. \$2.50 each, \$27.50 per doz.

YELLOW SHADES, DOUBLE.

Primevere. Sulphur-yellow center and creamy guard petals. Midseason. \$2.50 each, \$27.50 per doz.

DOUBLE PEONIES TO COLOR. White, Red, and Pink. \$1 each, \$11 per doz., \$80 per 100.

SINGLE AND ORIENTAL PEONIES.

These beautiful Peonies, while not so well known, are of great merit. In the center of the wide-open flowers, stamens are often turned to modified petals.

Cathedral. (Oriental.) Dark rose, pink outer petals, with a center of pale pink petaloids. \$1.50 each, \$16.50 per doz.

Constance. (Oriental.) Pink with bright yellow center. \$1.50 each, \$16.50 per doz.

White Mountain. (Oriental.) Snow-white with a central cluster of yellow petaloids. \$1.50 each, \$16.50 per doz.

Sunkist. (Oriental.) A striking carmine with vivid orange-pink petaloids. \$1.50 each, \$16.50 per doz.

Nymph. (Single.) Large flesh-colored petals with a central tuft of golden stamens. \$1.50 each, \$16.50 per doz.

Purity. (Oriental.) A pure white variety with narrow white central petals shaded yellow. \$1.50 each, \$16.50 per doz.

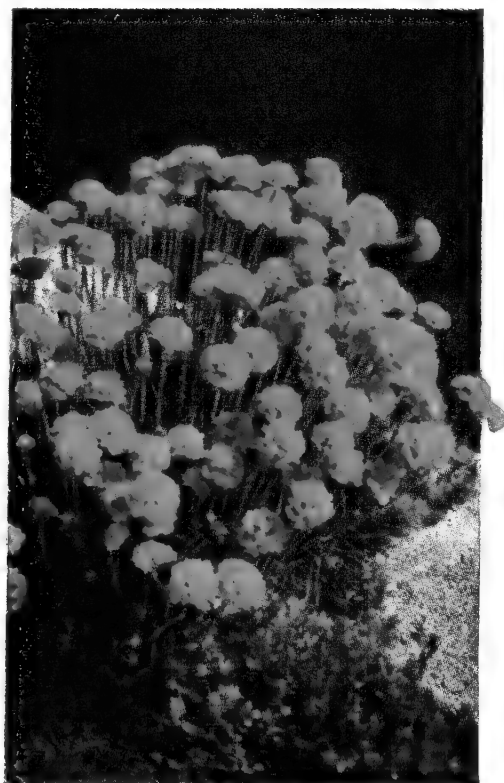


Monarda didyma



PENTSTEMON

FIREBIRD. A larger and more brilliant red Beard-Tongue with 20-inch spikes. 2 to 2½ ft.
GARNET (Illustrated above.) A beautiful darker shade. 1½ ft.
 Above 2, 55c each, \$1.50 for 3, \$5.50 per doz.



ARMERIA, Bees' Ruby

Much-improved Thrift or Sea Pink. Well above green tufts of foliage dozens of large brilliant red flowers are borne on 18-inch stems from May to September. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

4 New 'MUMS

The Best of the Season's Novelties

Illustrated at right in same order as listed

NORTH STAR. An early and very hardy new variety. The plant is covered with cascades of pure glistening white, perfect single flowers. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

HARBOR LIGHTS. Beautiful Pompon sort. The blending of pale yellow with cream-white seems to glow with its own light. Wonderful cut-flower; starts to bloom early. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

BURMA. A large and lovely flower. The color is a glistening bronze, tinted orange with an overtone of copper. Plants are vigorous, compact and branching. 75 cts. each, \$2.10 for 3, \$8.25 per doz.

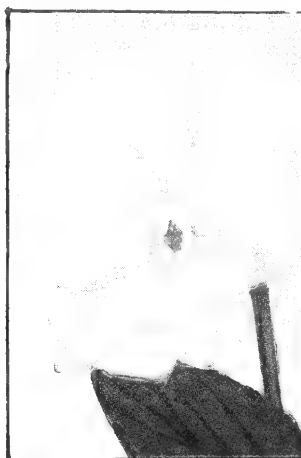
MANDALAY. Another of the newer and better Pompons. Fine branched sprays of brilliant orange-bronze blooms. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

COLLECTIONS

4 plants, one each of the above four kinds. . . \$2 25
 12 plants, three each. 6 00
 24 plants, six each. 11 50



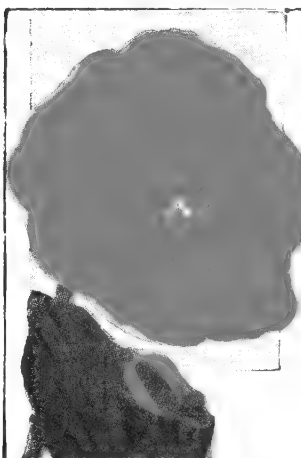
BLUE PERFECTION



WHITE PERFECTION



ARKWRIGHT RUBY



CHANTRYLAND

6 Choice VIOLAS

TUFTED PANSIES

(Four shown here in color)

These small dainty Pansies are suitable for planting in clumps in the perennial border, to fit in corners of the rockery, to edge your rose-garden or your plantings of tulips. The little face-like flowers are a delight where growing, and they are invaluable for shallow-bowl decorations in the home.

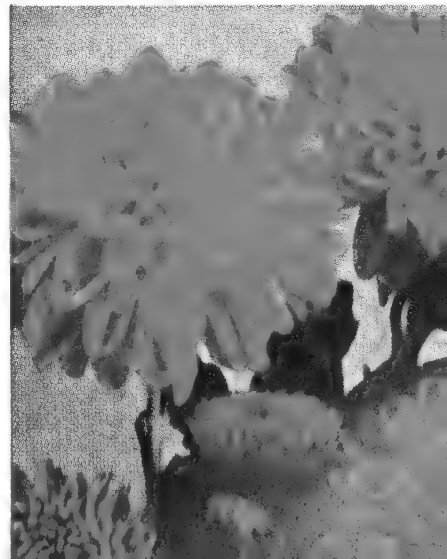
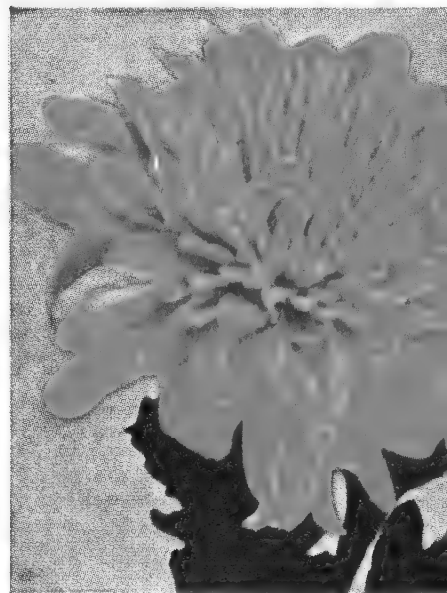
Blue Perfection **Arkwright Ruby**
White Perfection **Chantryland.** Apricot.
Jersey Gem. Rich violet. (Not illustrated.)
Yellow Queen. Yellow. (Not illustrated.)

All Violas, \$1.10 for 3, \$4.25 per doz., \$30 per 100

They bloom all summer if you pick the flowers. See page 85.

COLLECTIONS

Six plants, one each above \$2 15
 Eighteen plants, three each \$6 30



DON'T MISS THESE!



Scabiosa Caucasica

Sweet Scabious; Pincushion Flower

MIXED HYBRIDS (Isaac House Strain). Fine hardy perennial, preferring rich soil that is slightly alkaline. Larger flowers are borne on longer, wiry stems, making it ideal for cutting. Delicate lilacs, lavenders, violets, purples, and mauves predominate, but pure white and dark blues often occur. Grows 2 feet high and blooms from July through September.

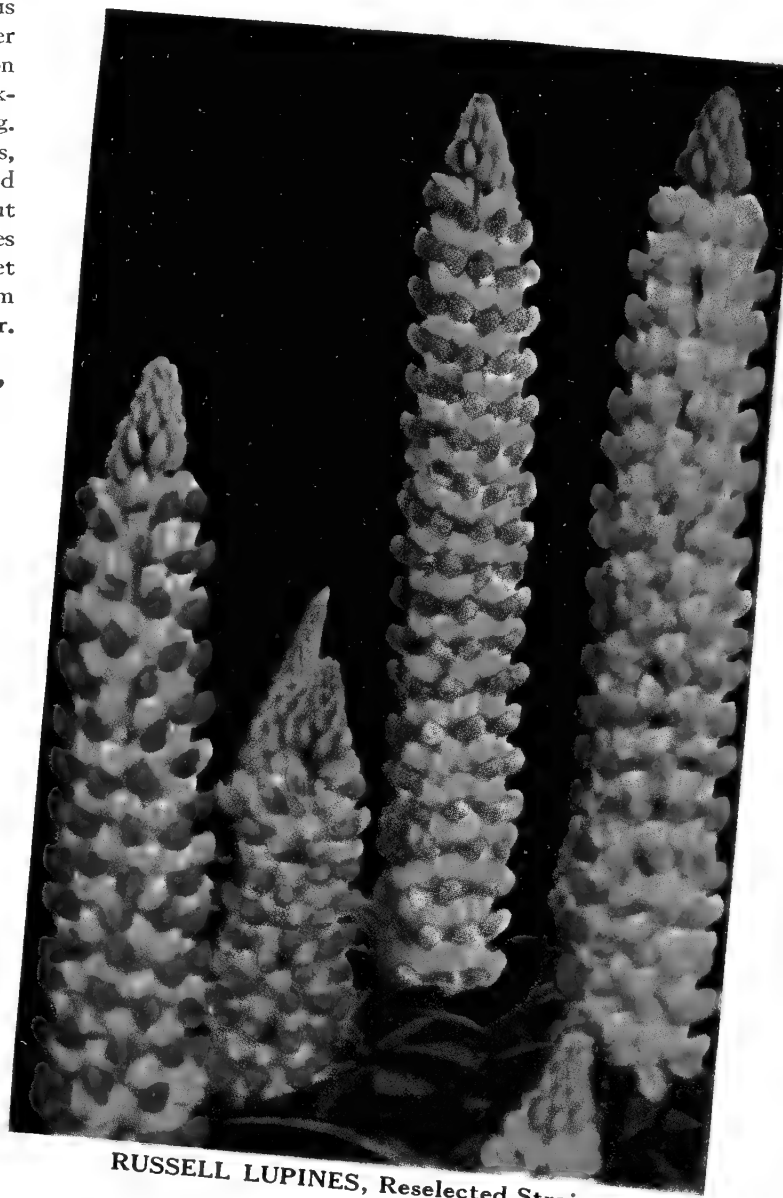
55 cts. each, \$1.50 for 3,
\$5.50 per doz.

RUSSELL LUPINES

The wonderful English variety. Partly shaded, rich soil free from lime is advised for these; they usually do well along the coast of New England and near the Great Lakes.

Here are surprisingly new color combinations; the tremendous spikes, the size of the florets and their number are sensational. The plants vary in height from 15 inches to 5 feet. In bloom during June and July.

55 cts. each, \$1.50 for 3, \$5.50 per doz.



RUSSELL LUPINES, Reselected Strain

DIANTHUS (Top) Bobby, (Bottom) Little Joe,
(Center) Her Majesty.



DIANTHUS - Hardy Garden Pinks

Shown at left

Three modern gems from Old World gardens. The flowers are sweet-scented. Ideal for your rock-garden and the hardy border; they flower in June and July, often continuing through autumn, and average 12 inches in height.

BOBBY. (Top) A little beauty; deep pink flowers, with crimson center ring. \$1.20 for 3, \$4.50 per doz.

LITTLE JOE. (Bottom) Gray-green foliage, with large single crimson flowers. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

HER MAJESTY. (Center) Large, pure white; very fragrant. \$1.10 for 3, \$4.25 per doz.

Collections: 3 plants, one each Dianthus . . . \$1.30
9 plants, three each Dianthus . . . \$3.50



Phlox subulata

PHLOX subulata. *Ground Pink; Flowering Moss; Moss Pink; Mountain Pink.* ★ These well-known plants, with pretty moss-like evergreen foliage, are most suitable for clothing banks, and for all situations in the rock-garden. All are May-flowering. 3 to 6 in.

Alba. Pure white. **G. F. Wilson.** Mauve.
Lilacea. Lilac. **Rubra.** Crimson.
Rosea. Rose-pink. **Vivid.** Deep pink.

PHLOX decussata

Hardy Garden Phlox

Their large choice flower-heads, produced from July until September, are of brilliant coloring and exquisitely perfumed. They prefer a rich, well-drained soil, high in organic content and neutral in reaction. Water them freely in dry weather.

Nine Modern Varieties

Catherine. Lavender, flecked white. 24 in.
Dr. Klemm. Lavender, darker eye. 18 in.
Daily Sketch. Clear pink, darker eye. 20 in.
Eva Foerster. Salmon-pink, light eye. 15 in.
Emain Macha. Crimson-carmine. 18 in.
Flash. Cherry-carmine, darker eye. 25 in.
Harvest Fire. Fiery pink, darker eye. 30 in.
Mary Louise. The best pure white. 25 in.
Orange Beauty. Vivid orange. 2½ ft.

Individual floret of each of the above 9 varieties larger than a half dollar.

Any of above 9 varieties, 55 cts. each,
\$1.50 for 3, \$5.50 per doz.

Seven Good Standard Sorts

Blue Hill. A lilac-blue, the nearest to light blue. 2 ft. Aug.
Border Gem. Distinct novelty. Large trusses; deep violet-blue. 2½ ft. Aug.
Commander-in-Chief. Splendid grower Port-wine-colored.
E. I. Farrington. Soft salmon-pink with lighter eye. 2½ ft. Aug.
Painted Lady. Novelty. Silver-pink with red eye.
Salmon Glow. Trusses of lively pink flowers, shaded with salmon. 2½ ft. Aug.
Von Lassburg. Splendid white sort. 3 ft.

PHLOX suffruticosa, Miss Lingard. Flowers in June and continues on through summer. Large; white. 2½ ft.

PHLOX divaricata Laphami. ★ Trusses of large, fragrant, lavender-blue blooms in May. 9 in.

PRICES, unless otherwise noted, \$1.10 for 3, \$4.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border



Oriental Poppy

ORIENTAL POPPIES

Papaver orientale

These handsome large-flowered Poppies have few rivals among hardy plants. Their striking foliage and glowing flowers make them most effective for grouping with other perennials where a vivid splash of color is required in June and July. We offer pot-grown plants which can be moved at any time; these are grown from cuttings, not seedlings.

Beauty of Livermore. Flowers of rich crimson-maroon, 9 inches in diameter. 3 to 3½ ft.

Cedar Hill. Novelty. The best pink we have ever seen. Flowers 4 to 6 inches in diameter. 3 ft.

Perry's White. Immense flowers of a pure satiny white with a crimson-maroon blush at the base of the petals. 3 ft.

ORIENTAL POPPY, Cerise Bedder.

Rich sparkling cerise flowers 4 to 6 inches across with two rows of petals. Fine for cutting.

All above Oriental Poppies, 55 cts. each,
\$1.50 for 3, \$5.50 per doz.

PHYSALIS. See page 85.

PHYSOSTEGIA. See page 85.

PLATYCODON. *Balloon Flower; Chinese Bellflower.* Fine hardy perennial, producing cup-shaped 2-inch flowers through summer and autumn.

Grandiflorum. Large steel-blue flowers. 1½ in.

Grandiflorum album. White with pale blue tinge. 2 to 2½ ft.

Above Platycodons, \$1.20 for 3, \$4.50 per doz.



Platycodon grandiflorum



Primula japonica

PLUMBAGO Larpentæ. *Leadwort.* ★ A late-flowering dwarf perennial which makes a compact mound, smothered with sky-blue flowers in September and October. 6 to 9 in.

POLEMONIUM reptans, Royal Blue. *Jacob's Ladder.* ★ Pretty foliage of delicate texture, with airy spikes of bright blue flowers. 1 ft. June.

PRIMULA • Primrose ★

For the rock and alpine garden, for the semi-shady garden, for brightening up woodland walks, dells, and, indeed, for any place where the plants will be cool at the roots.

PRIMULA ACAULIS. *English Primrose.*

Pastel Shades. A wonderful mixture, containing purples, lavenders, creams, buffs, and pinks. 6 in. April.

PRIMULA ELATIOR (POLYANTHUS).

The choice flowers are borne in clusters on stout stems. 6 to 9 in.

Elatior, Mixed. All colors and shades.

PRIMULA SPECIES.

Auricula. A choice specimen of dwarf, compact habit, suited for the rock-garden. Leaves are large, leathery, and glossy. Flowers of most stunning colors, all with a contrasting eye, such as lavender with yellow center, red with buff center, etc. Mixed only. 6 in. June.

Cortusoides. A beautiful variety with fresh green, scalloped leaves. The plants throw a profusion of slender spikes which bear heads of charming pink flowers from May until July. 9 in.

Denticulata. Long lineal foliage and fine globular heads of lavender flowers make this one of the prettiest of Primulas. 1 ft. April, May.

Japonica, S. & W. Strain. Another Candalaria, very vigorous in growth. Handsome crinkly foliage and tall spikes of flowers in whorls. White, pink, copper-red and crimson, mixed. 2 ft. June, July.

Wanda. A mat-forming Primula with dark green foliage and a profusion of rich purple flowers with golden eyes, on 3-inch stems. 4 in. May.

All Primulas, \$1.20 for 3, \$4.50 per doz.

PYRETHRUM. *Painted Lady.* Grand border plants of the Daisy family. They all flower in June and July. 2 to 2½ ft.

Single, Mixed. Reds, whites, and pinks, all with yellow centers. Very vigorous.

ROSMARINUS officinalis. *Rosemary.* See Herbs, page 24.



Rudbeckia, The King

RUDBECKIA. *Coneflower.* Bright border plants of easy culture in any garden soil.
Golden Glow. Rich double yellow flowers, good for cutting. 5 to 6 ft. Aug.
Purpurea. A striking flower of purple color with a brown cone-shaped center. 3 to 4 ft. July-Oct.
The King. Deep crimson flowers. 3 ft. July-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Rudbeckia

White Lustre. Fine variety of recent introduction. Large white flowers, with a central golden cone. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

SAGE (*Salvia officinalis*) is offered on page 24.

SALVIA. *Meadow-Sage; Clary.*

Azurea grandiflora. A fine plant of branching habit, smothered with gentian-blue flowers in late summer and autumn. 4 feet high; 2 to 3 ft. in diameter.

Farinacea. Spikes of powder-blue flowers. 2 to 2½ ft. July-Sept.

Farinacea alba. A white counterpart of the above. If both are planted together a charming combination is obtained.

SANTOLINA. *Lavender Cotton; Ground Cypress.* ★ Dwarf sub-shrubs which hold their leaves in winter. They are excellent for edgings or for the rock-garden, and can be clipped every year. The foliage is most attractive and very aromatic.

Incana. Very compact, with beautiful silvery gray foliage with the appearance of bunched coral. Yellow flowers in July. 6 to 9 in.

Viridis. A bright-green-foliaged variety. White flowers in July. 1 ft.

SAVORY. See Herbs, page 24.

STATICE. *Sea-Lavender.* Of easy culture, these unusual border plants have little foliage but throw tremendous sprays of flowers after the style of *Gypsophila paniculata*.

Latifolia. Large basal leaves and clouds of pale blue flowers in August. 2 ft.

Latifolia dumosa. Bluish lavender flowers in great profusion, which, when dried, become silvery. 1½ ft. Aug.

Above Statice, \$1.20 for 3, \$4.50 per doz.

PRICES, unless otherwise noted, \$1.10 for 3, \$4.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★Dwarf plants for the Rock-garden and edging the Perennial Border

SCABIOSA

Scabious; Pincushion Flower

A fine perennial needing a rich soil which is slightly alkaline. Large flowers borne on long, wiry stems make it a fine subject for cutting.

Caucasica, Giant Hybrids, Mixed (Isaac House Strain). This striking plant should be in every hardy border. Delicate lilac and mauve predominate, but pure white and even dark blues often occur. 2 ft. July-Sept. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

SEDUM • Stonecrop

This plant was the backbone of the early rock-gardens, and no rock-garden today is complete without some of the species mentioned here.

Acre. ★ Green foliage. Bright yellow flowers. 3 in. June.

Balticum. ★ 3 in. June.

Dasyphyllum. ★ Rose. 3 in. June.

Lyodium. ★ Pink. 2 in. June.

Middendorffianum. ★ Excellent matting variety, 4 inches high, with yellow flowers. Beautiful reddish purple foliage in autumn.

Nevi. ★ Blue-gray rosettes. 4 in. July.

Sieboldi. ★ Rose-pink. 9 in. Aug.

SEMPERVIVUM. *Houseleek; Live Forever.*

★ Evergreen succulents resembling Sedums. The leaves are often brightly colored at the base.

Arachnoideum. *Cobweb Houseleek.* A beautiful plant. The round masses of leaves are always covered with a white cobwebby substance, giving it a most unusual effect. 2 in.

Globiferum. Grass-green rosettes tinged with red. Yellow flowers in August. 3 to 4 in.

Mixed Seedlings. Shapes and sizes of every description. A choice selection. 3 to 4 in.

SILENE. *Catchfly; Champion.*

Schafta. ★ One of the best autumn-flowering rock-plants. It blooms in October when flowers are scarce in the rockery. A compact plant with bright rose-pink flowers. 6 in.

SPIRÆA. *Goat's Beard; Meadowsweet.* Suitable for borders, damp situations, and water plantings. June.

Filipendula alba. Finely cut foliage. Creamy white flowers. 2 ft.

Davidi. A vigorous variety, growing 3 feet high, with delicate pale pink flowers in July and August.

Palmata elegans. A light pink. 3 ft.

Ulmaria fl.-pl. Well-known double Meadowsweet, with a profusion of creamy white flowers. 3 ft.

SWEET WILLIAM

These brilliantly colored old-fashioned garden plants are as indispensable today as they were 100 years ago. Each plant will give a wealth of bloom in June.

Auricula-eyed. These are chiefly reds and pinks, but all have a pronounced white eye. 1½ ft.

Pink Beauty. A sparkling crushed strawberry-pink.

Scarlet Beauty. A vivid scarlet. Very choice and effective. 1½ ft.

STOKESIA *lilacea grandiflora.* Stokes' Aster.

A marvelous plant with a compact growth of basal leaves, from which arise the flowers on stems 18 to 20 inches long. These are often 5 inches across, and are of a silvery blue color with a lilac suffusion at the center. \$1.20 for 3, \$4.50 per doz.

TEUCRIUM *Chamædrys.* *Germander.* ★

A dwarf sub-shrub with glossy green foliage and bright rose flowers, adaptable for edging borders and paths. 1 ft. Aug.

THALICTRUM. *Meadow-Rue.* Extremely graceful foliage not unlike a maidenhair fern, and dainty flowers in profusion.

Adiantifolium. White flowers freely produced in June. 18 in. to 2 ft.

Aquilegifolium. As its name implies, it has foliage like a columbine, with rich purple-mauve flowers. 3 ft. June.

Glaucum. This we recommend especially, as it has blue-green foliage, finely divided, and heads of sulphur-yellow, fluffy flowers. 4 ft. July.

Minus. ★ Dwarf variety with white flowers and miniature foliage. Very suitable for the rock-garden. 6 to 9 in. July.

All *Thalictrums*, \$1.20 for 3, \$4.50 per doz.

THERMOPSIS *caroliniana.* A plant that has been grown for the last 130 years, and yet is not too well known today. It grows 5 feet high, with large, yellow, pea-shaped flowers in July.

THYMUS. *Thyme.* ★ These charming, fragrant plants are mostly of dwarf, spreading habit and are unexcelled for dry, sunny banks where grass is difficult to establish, and for various positions in the rock-garden. When planted at the crevices of walks, they give off a fragrant aroma when walked on, and are a sheet of blossoms in June and July.

Lanuginosus. Mauve flowers and gray, woolly leaves. 2 in. June.

Serpyllum. The wild Mountain Thyme of creeping habit, with rosy purple flowers. 2 in. June.

Serpyllum album. Decidedly miniature foliage of light bright green with pure white flowers. 1 in. June.

Serpyllum coccineus. Very dark reddish green foliage, making a perfect mat like the above, but with brilliant crimson flowers. 1 to 2 in. June.

See also page 24 for varieties of Thyme frequently grown in the herb-garden.



Sedum acre



Tritoma Pfitzeri

TRITOMA*Torch Lily; Flame Flower; Red-Hot Poker*

Very vigorous perennials of easy culture in any garden soil, in full sun. They have strong grass-like foliage from which arise spikes of flowers from July to September.

Pfitzeri. Everblooming Tritoma. Bright orange-scarlet flowers with salmon-rose edges. Fine for cutting. 3 ft.

S. & W. Hybrids. A grand mixture of yellows, flame-reds, burnt-orange, etc.

Above Tritomas, \$1.20 for 3, \$4.50 per doz.

TROLLIUS, Eleanor. This fine yellow Globe-Flower blooms all summer. 18 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

VERBENA. Vervain. Protect with a covering of leaves over winter.

Bonariensis. Lavender-rose sprays on long, wiry stems. June-Oct. 4 to 5 ft.

Canadensis. ★ A creeping plant with cut foliage and lavender flowers all summer. 6 to 9 in.

Chamaedryfolia. ★ Of trailing and spreading growth continually producing scarlet flowers. 3 in. May to Oct.

Maonetti. ★ Pink and white striped flowers on a trailing plant. Blooms all summer. 6 in.

LEMON VERBENA. See page 23.

VERONICA • Speedwell

Charming plants, natives of Europe and America. Free flowering, and they can be used in the rock-garden and border.

Blue Jay. Flowers in August and September. Bright blue sprays. 2 to 3½ ft.

Incana nana. ★ A compact plant with beautiful silvery foliage and spikes of brilliant blue flowers. 6 to 9 in. July, Aug.

Incana rosea. Similar, with pink flowers.

Longifolia subsessilis. Very heavy long spikes of deepest blue. Perfect border plant. 2 to 3 ft. July. \$1.20 for 3, \$4.50 per doz.

Spicata. Useful border plant with spikes of blue flowers from July to September. 2 ft.

True Blue. Smothered with blossoms of intense blue. 9 to 12 in. June, July.



Trollius, Eleanor

VINCA*Periwinkle; Old Maid; Myrtle★*

Grand ground-covers for shade.

Minor. Delicate blue flowers with glossy green foliage.

Minor alba. White flowers; dark foliage.

Minor, Bowles Variety. A greatly improved form. Always in bloom, the flowers being very large and clear blue.

VIOLA odorata*Sweet Violet*

The Violets listed below are among the best and most distinct. All are splendid for cutting. The double Violets should be afforded some protection in winter.

Frey's Fragrant. A single Violet with flowers ½ to ¾ inch in diameter, on 6 to 9-inch stems. Rich deep purple. Very prolific in April and flowering again in the fall.

Rosina. Single, very fragrant flowers of dark rose-pink.

Russian Single. Produces great masses of fine large deep purple flowers.

Snow Queen. Own introduction. Dozens of large white Violets on long stems. Spring flowering.

Above Violets, \$1.20 for 3, \$4.50 per doz., \$32.50 per 100

VIOLA cornuta • Tufted Pansies★

These beautiful plants flower all spring and early summer. Cut them back in August, and the young growth will bloom profusely in the autumn. They like a cool, well-drained soil and plenty of sun; a mulch of peat moss is beneficial during hot weather.

Violas are shown in color on page 81.

Jersey Gem. The rich violet-hued flowers are like those of pansies but smaller. However, they are perennial and very sweetly scented. Plant them in rock-gardens, borders, and paths. 6 to 9 in. May until fall.

Arkwright Ruby. Ruby-red.

Blue Perfection. Blue.

Chantryland. Apricot.

White Perfection. White.

Yellow Queen. Yellow.

Above Violas, \$1.10 for 3, \$4.25 per doz., \$30 per 100

COLLECTIONS

6 plants, 1 each of above, \$2.15
18 plants, 3 each of above, \$6.30



Yucca filamentosa

WORMWOOD. See *Herbs*, pages 23 and 24.

YARROW. See *Herbs*, pages 23 and 24.

YUCCA filamentosa. *Adam's Needle.*

Spiked evergreen foliage with creamy white flowers on 6-foot stems. Requires full sun and a calcareous soil. A fine plant for tubs and terraces and for planting in positions where boldness is required. 1-yr. plants, \$1 for 3, \$3.75 per doz.; 2-yr. plants, \$1.35 for 3, \$5 per doz.; 3-yr. plants, \$2 for 3, \$7 per doz.

Additional Perennials

We also grow the plants listed below, but limited space precludes a description of them.

Achillea Millefolium roseum (Yarrow).

Achillea, Perry's White.

Arenaria verna aurea (Sandwort).

Arenaria verna caespitosa.

Aubrietia, Monarch, Mixed (Rock-Cress).

Baptisia australis (False Indigo).

Centaurea macrocephala.

Centaurea ruthenica.

Cerastium tomentosum (Snow-in-Summer).

Chelone barbatus Torreyi.

Epimedium macranthum niveum (Barrenwort).

Epimedium macranthum roseum.

Epimedium rubrum.

Epimedium sulphureum.

Erodium chamaedryoides (Heron's Bill).

Enothera speciosa (Evening Primrose).

Physalis Francheti (Chinese Lantern).

Physostegia, Dwarf Vivid (False Dragonhead).

Physostegia virginiana.

Any of the above, \$1.10 for 3, \$4.25 per doz.



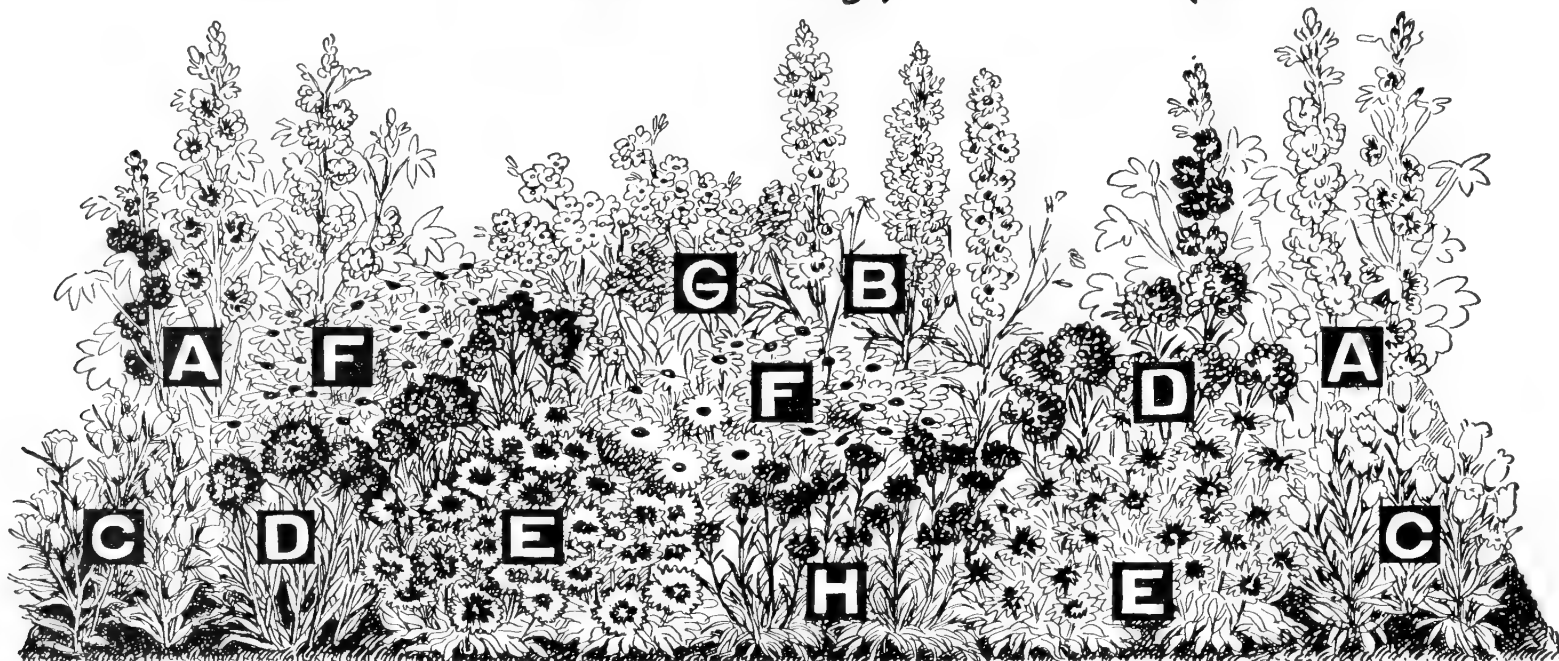
Vinca (Periwinkle)

PRICES of Hardy Perennial Plants, unless otherwise noted, \$1.10 for 3, \$4.25 per doz.

★Dwarf plants for the Rock-garden and edging the Perennial Border

A BORDER OF OLD-FASHIONED FLOWERS

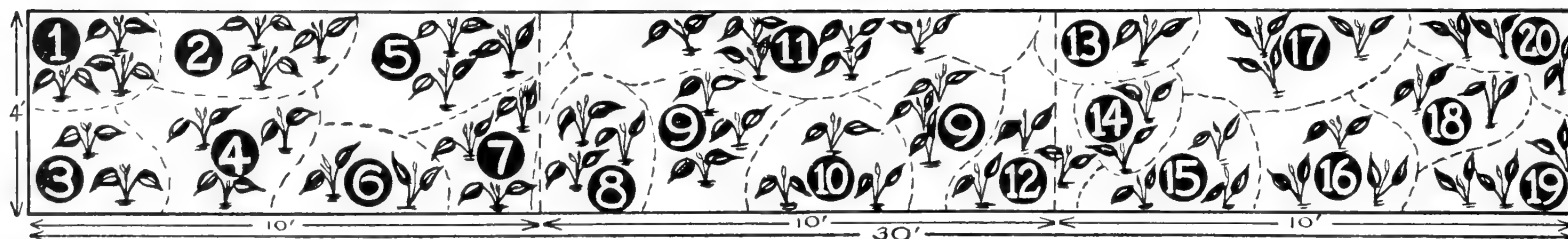
This 40-Plant Assortment will make gay an area of 80 square feet



Varieties that were favorites when America was young; plant them to make an old-time border measuring 20 feet long and about 4 feet wide. As indicated, you place Hollyhocks, Phlox and Delphinium at the back; Shasta Daisies and Sweet William in the middle distance; Canterbury Bells, Gaillardia and Pinks in front. For sunny and partly sunny spots. Many of them are fragrant.

Key		Key	
6 Hollyhocks, Superb Mixed	A	6 Gaillardia	E
3 Delphinium, Gold Medal Hybrids	B	6 Shasta Daisies	F
6 Canterbury Bells, Mixed	C	3 Phlox, Tall Mixed	G
6 Sweet Williams, Mixed	D	4 Pinks (Dianthus)	H

Assortment: 40 Plants, Catalogue Value \$14.70 \$12



FILL THIS 30 BY 4-FOOT PERENNIAL BORDER WITH ONE OF THESE COLLECTIONS OF SIXTY PLANTS

It occupies 120 square feet, but the plan may be adapted easily to fit any space that is similar in area but of different dimensions (say 24 x 5, 20 x 6 or 15 x 8 feet). And it need not be a rectangle—an ell or a curve would be equally pleasing.

A Cutting Garden

	Key
3 Aster, Queen Mary	1
3 Iris, Pioneer	2
2 Lavandula, Munstead Strain	3
3 Gaillardia, S. & W. Hybrids	4
3 Hemerocallis, D. D. Wyman	5
2 Anemone, September Charm	6
3 Chrysanthemum, Kristina	7
3 Stokesia lilacina	8
6 Dianthus, Beatrix	9
3 Coreopsis, Perry's Variety	10
6 Delphinium, Pacific	11
3 Verbena bonariensis	12
1 Artemisia, Silver King	13
2 Heliopsis incomparabilis	14
3 Scabiosa, Isaac House Strain	15
3 Doronicum excelsum	16
3 Tritoma, S. & W. Hybrids	17
2 Campanula, Telham Beauty	18
3 Chrysanthemum, White Swan	19
3 Helianthus, Soleil d'Or	20

60 Plants COLLECTION 118A: \$23
Catalogue value, \$25.65

For Full Sun

	Key
3 Aster, Red Cloud	1
3 Iris, Wedgwood	2
2 Veronica spicata	3
3 Gypsophila repens	4
3 Phlox, Painted Lady	5
2 Aquilegia, Yellow	6
3 Dianthus, Beatrix	7
3 Lychnis Viscaria	8
6 Aster Frikarti	9
3 Heliopsis incomparabilis	10
6 Delphinium, Pacific	11
3 Aquilegia, Rose and Pink Shades	12
1 Rudbeckia purpurea	13
2 Coreopsis, Perry's Variety	14
3 Geum, Princess Juliana	15
3 Delphinium, Bell donna	16
3 Tritoma, S. & W. Hybrids	17
2 Chrysanthemum, White Swan	18
3 Armeria, Farmingdale Giants	19
3 Chrysanthemum, Korean	20

60 Plants COLLECTION 118C: \$23
Catalogue value, \$26.15

For Partial Shade

	Key
3 Aster, Violetta	1
3 Iris, Indian Chief	2
2 Funkia subcordata	3
3 Phlox, Harvest Fire	4
3 Liatris scariosa alba	5
2 Primula cortusoides	6
3 Plumbago Larpentae	7
3 Anemone, September Charm	8
6 Ajuga multicolor	9
3 Dicentra eximia	10
6 Digitalis, Giant Shirley	11
3 Aster, Palmyra	12
1 Dicentra spectabilis	13
2 Coreopsis, Perry's Variety	14
3 Primula japonica	15
3 Aster, Goliath	16
3 Hemerocallis Goldeni	17
2 Iris, Alta California	18
3 Nepeta Mussini	19
3 Veronica, True Blue	20

60 Plants COLLECTION 118F: \$23
Catalogue value, \$24.15

Any two Collections, \$45; all three Collections, \$66.50

Have You Read the BOOK, "Water Gardens and Goldfish," by Sawyer and Perkins? We mail it post free for \$2.

WATER-LILIES and POND PLANTS

Hardy Water-Lilies (Nymphaeas) (April 10 shipment)

For ponds, lakes, or in still pools along a stream. Plant in about 2 feet of water. Once established, they become a source of permanent beauty.

Attraction. Immense flowers, produced freely, and bright red in color. \$2.75 each.

Aurora. Flowers open amber-yellow, changing to orange-red on the second day and to deep red on the third. \$1.50 each.

Comanche. Large flowers of deep rich apricot with glowing red markings deepening to copper-orange. \$2.25 each.

Conqueror. Immense flower, with bright red petals, shaded white on the inside, changing to deep red as the flower ages. \$2.50 each.

Gladstone. Large, pure white, globular flowers. \$1.75 each.

Gloriosa. Beautiful clear red, deepening to dark red. \$2.50 each.

Helen Fowler. Deep pink flowers. Suitable for growing in a tub. \$1.50 each.

Marliac Rose. Fragrant, cup-shaped flowers, deep rose in color. \$2 each.

Marliac White. Waxy white flowers, with bright yellow stamens. \$1.25 each.

Marliac Yellow. Bright chrome-yellow flowers. \$1.50 each.

Pink Opal. Full-petaled, cup-shaped flowers of a deep rich pink. \$1.25 each.

Rose Arey. Large, pink, fragrant, with long-pointed petals. \$2.50 each.

Tropical Water-Lilies (June 1 shipment)

These are of two distinct types: the Day-bloomers, whose flowers open with the sun and close at evening, and the Night-bloomers, whose flowers open in the afternoon and remain open until late the following morning. On cloudy days the latter sometimes remain open throughout the twenty-four hours. All are most beautiful.

Day-Blooming Sorts

August Koch. Pale wisteria-violet. Excellent variety. \$2.50 each.

Cerulea. The original blue Lotus of the Nile. Fragrant. \$1.50 each.

Colonel Lindbergh. Enormous deep sky-blue flowers. \$2.50 each.

Dauben. Very fragrant light blue flowers. Recommended for tub-gardening. \$1.50 each.

General Pershing. Broad, chalice-shaped flowers of a clear pink. \$2.50 each.

Mrs. E. Whitaker. Flowers 10 to 12 inches across, pale blue. One of the best hybrids. \$2.50 each.

Mrs. George H. Pring. Best pure white; large; fragrant. \$2 each.

Zanzibariensis (African Purple Lily). Fragrant flowers 6 to 8 inches across. \$1.75 each.

Zanzibariensis rosea. Good-sized, bell-shaped flowers of beautiful rose-pink. \$1.50 each.

Night-Blooming Sorts

Bissett. Beautiful pink; wide petals. One of the best. \$2 each.

Devonshire. Rosy red, 8- to 10-inch flowers. Bronze leaves. \$1.50 each.

Juno. The largest flower in the Night-blooming section. Broad, snow-white petals around a center of yellow stamens. \$2.50 each.

Omara. Produces large flowers of a deep rose color. \$1.75 each.

Lotus

Tubers are available from April 10 to June 1, after which date we offer them growing in pots at the prices shown below, plus \$1.50. Do not break the growing tip.

Soil should be rich, and covered with 6 to 10 inches of water. Set the tubers at an angle, so that the tip is barely covered, and firm the soil about the tuber.

American Lotus (*Nelumbium lutea*). Native variety having large, cream-yellow flowers with a delightful fragrance. Tubers, \$2.25 each.

Sacred or Egyptian Lotus (*N. nucifera*). A hardy, vigorous, fragrant type having rose-tipped petals, shading to cream at the base. Tubers, \$2.25 each.

Shiroman Lotus (*N. nucifera albo-pleno*). Large, globular flowers, double or with many petals of pure white. Blue-green foliage. Tubers, \$3.25 each.

Chinese Lotus (*N. pekinensis*). Double flowers of a rich rose-red. Tubers, \$3.25 each.

Add \$1.50 to the above prices for potted plants after June 1

Bog and Marsh Plants (April 10 shipment)

Purple Water Hyacinth (*Eichhornia azurea*). 90 cts. for 3, \$3.25 per doz.

Sweet Flag (*Acorus calamus variegata*). Variegated leaves. 90 cts. for 3, \$3.25 per doz.

Water Poppy (*Hydrocleis nymphoides*). 50 cts. for 3, \$1.75 per doz.

Spiral Palm. Plants from 3-inch pots. \$1 for 3, \$3.75 per doz.

Ginger or Butterfly Lily (*Hedychium coronarium*). \$1 for 3, \$3.75 per doz.

Yellow Flag (*Iris pseudacorus*). 90 cts. for 3, \$3.25 per doz.

Marsh Iris (*Iris versicolor*). 90 cts. for 3, \$3.25 per doz.

Oriental or Water Taro (*Colocasia antiquorum illustris*). \$1.50 for 3, \$5 per doz.

Oriental or Water Taro (*Colocasia multiflora*). 75 cts. each, \$8 per doz.

Egyptian Paper Plant (*Cyperus papyrus*). \$1 for 3, \$3.75 per doz.

Umbrella Palm (*Cyperus alternifolius*). \$1 for 3, \$3.75 per doz.

Water Plantain (*Alisma plantago*). \$1 for 3, \$3.75 per doz.

Wild Rice (*Zizania aquatica*). 50 cts. for 3, \$1.75 per doz.



Shallow-Water Plants (April 10 shipment)

Arrow-head (*Sagittaria latifolia*). Well-known native plant. 90 cts. for 3, \$3.25 per doz.

Cattail (*Typha latifolia*). \$1.75 per doz.

Floating Heart (*Nymphoides peltatum*). 50 cts. for 3, \$1.75 per doz.

Marsh Marigold (*Caltha palustris*). 90 cts. for 3, \$3.25 per doz.

Parrot Feather (*Myriophyllum proserpinacoides*). 50 cts. for 3, \$1.75 per doz.

Pickrel Rush (*Pontederia cordata*). 90 cts. for 3, \$3.25 per doz.

Water Nasturtium. 50 cts. for 3, \$1.75 per doz.

Floating Plants (April 10 shipment)

Azolla (*Azolla caroliniana*). 45 cts. per portion.

Water Fern (*Ceratopteris thalictroides*). 50 cts. per portion.

Duck Weed (*Lemna minor*). 40 cts. portion.

Salvinia (*S. grazielensis*). 40 cts. per portion.

Water Lettuce or Shell Flower (*Pistia stratiotes*). 50 cts. for 3, \$1.75 per doz.

Water Hyacinth (*Eichhornia crassipes major*). 75 cts. for 3, \$2.75 per doz.

Submerged Plants (Oxygenating)

(April 10 shipment)

Sagittaria guayanensis. \$1.50 for 3, \$5.50 per doz.

Sagittaria sinensis. 50 cts. for 3, \$1.75 per doz.

Vallisneria. \$1 per doz.

Herpestis. 50 cts. for 3, \$1.75 per doz. bunches.

Anacharis, Cabomba (Fanwort; Fish-Grass),

Milfoil (*Myriophyllum*), **Ludwigia.**

Above 4, per bunch 45 cts., doz. bunches \$4.50

UNDERWATER PAINT for pools and swimming tanks. Robin's-egg blue. Qt. \$1.75, gal. \$5.

COLLECTIONS OF WATER PLANTS

HARDY POOL COLLECTION No. 86. \$9 (Ready April 10)

Suitable for a pool about 30 square feet in area. One each: Water-Lily, *Gloriosa* (red), *Gladstone* (white) and *Pink Opal*. Also the following aquatic plants:

5 plants for a centerpiece or background 3 floating plants

12 plants for corners or margins 3 submerged plants

COLLECTIONS OF TROPICAL WATER-LILIES (Ready June 1)

No. 862. Two day-blooming kinds, *Mrs. George H. Pring* and *Mrs. E. Whitaker*. (Value \$4.50.) \$3 50

No. 863. One each of three night-blooming sorts, *Juno*, *Devonshire* and *Bisset* (Value \$6.) 5 00

No. 864. One each of four day-blooming sorts (Value \$9.50.) 8 50

Hardy Flowering Shrubs

Purchaser pays transportation beyond 50 miles of New York.
ALL SHRUBS OFFERED on this page are individually labeled and wrapped

AZALEA

Hinodegiri. Brilliant crimson-scarlet, a clear, handsome shade that everybody likes. 10 to 12 in., B&B., \$2.75 each, \$30 per doz.; 12 to 15 in., B&B., \$3.75 each, \$40 per doz.

Kaempferi Hybrids, Mixed. Includes the three colors previously named, but sold as mixture only. 30 to 36 in., B&B., \$6.50 each.

Amygdalus • Flowering Almond

Fragrant flowers are borne on slender branches during May. 5 to 6 feet high.

Pink. Double-flowering; pink. 2 to 3 ft.

White. Double-flowering; white. 2 to 3 ft.

Above, \$1.25 each, \$13.75 per doz.

Buddleia • Butterfly Bush

One of the most desirable of summer-flowering shrubs, beginning to bloom in July and continuing until cut down by severe frost. The flowers are borne in dense, cylindrical spikes.

Charming. An outstanding novelty. Large lavender-pink flower trusses are produced abundantly throughout the summer. Grows 4 to 6 feet. 2-yr., field-grown dormant plants, 50 cts. each, \$5.50 per doz.

Orchid Beauty. A splendid new variety of a soft cattleya-lilac color with a brilliant orange eye. 2-yr., field-grown dormant plants, 75 cts. each, \$8.25 per doz.

Purple Glory. A rich, dark purple. Free flowering. 2-yr., field-grown dormant plants, 75 cts. each, \$8.25 per doz.

Royal Red. A fine addition to this glorious family. 75 cts. each, \$8.25 per doz.

COLLECTION: One each of the above 4 Buddleias, \$2.25

Calycanthus • Sweet-Shrub

Floridus. 5 to 6 ft. Chocolate-colored flowers of wonderful fragrance. An old favorite. 3 to 4 ft., \$1.25 each, \$13.75 per doz.

Deutzia

Gracilis. A great favorite. Dwarf, covered with spikes of pure white flowers in early summer. 1½ to 2-foot plants.

Pride of Rochester. A fine, tall-growing, double, white-flowering variety. 9 to 10 feet high when mature. 4 to 5-foot plants.

Above, \$1 each, \$11 per doz.

Forsythia • Golden Bell

Decorative shrub with bright yellow flowers which burst into bloom at the beginning of spring while the bush is otherwise bare.

Intermedia spectabilis. 7 to 8 feet high when mature. 3 to 4-foot plants, \$1 each, \$11 per doz.

Hamamelis • Witch-Hazel

Virginiana. 15 ft. Small yellow flowers in late fall after the leaves have fallen. One of the few plants which bloom outside in winter. 2 to 3 ft., \$1.25 each, \$13.75 per doz.

Hydrangea

Paniculata grandiflora. The flowers, which are borne in dense, pyramidal panicles a foot long, are white when they first open but gradually change to rose color. 8 to 9 feet high when mature. 2 to 3-foot plants, \$1.25 each, \$13.75 per doz.

Kerria • Corchorus

Double. 4 to 5 ft. Rich golden flowers, like button chrysanthemums, in late spring, good for cutting. A deservedly popular shrub. 2 to 3 ft., \$1.25 each, \$13.75 per doz.



Buddleia, Charming



Forsythia intermedia spectabilis



Hydrangea paniculata grandiflora

Hardy Flowering Shrubs

Purchaser pays transportation beyond 50 miles of New York.
ALL SHRUBS OFFERED on this page are individually labeled and wrapped.

Laburnum • *Golden Chain*

Vossi. 15 ft. Tree-like, green-barked shrub with hanging clusters of golden yellow. Late spring. 4 to 5 ft., \$4 each, \$44 per doz.

Philadelphus • *Mock Orange*

This old-fashioned sweet-scented shrub has long been a close rival of the lilac in popularity.

Coronarius. This variety has large white flowers. 10 feet high when mature. 3 to 4-foot plants, \$1 each, \$11 per doz.

Pyrus (Cydonia)

Flowering Quince. A showy shrub that blooms profusely in early spring; flowers dazzling scarlet. 4 to 5 feet high. 2 to 3-foot plants, \$1 each, \$11 per doz.

Spiraea

Anthony Waterer. Color bright crimson. It is of dwarf, dense growth, and blooms in July and August. 3 feet high when mature. 1½ to 2-foot plants.

Van Houttei. *Bridal Wreath.* In May and June the white blooms almost entirely cover the foliage. 8 feet high when mature. 3 to 4-foot plants.

Above, \$1 each, \$11 per doz.

Viburnum

Carlesi. *Fragrant Viburnum.* 5 to 6 ft. Large, round clusters of fragrant waxy white flowers in early spring after leaves appear. 2 to 3 ft., \$4 each, \$44 per doz.

Plicatum. *V. tomentosum sterile;* Cranberry-bush or Snowball. 10 ft. Perfectly round balls of pure white in great profusion in May. 2 to 3 ft., \$1.25 each, \$13.75 per doz.

Syringa • *Lilac*

Purple Lilac. Large showy panicles; fragrant.

White Lilac. Delicious perfume; pure white. We offer the above two very popular varieties in 2 to 3-foot plants at \$1 each, \$11 per doz.

French Hybrids SINGLE VARIETIES

Charles X. 10 ft. Single. A profuse bloomer, splendid for cutting. Flowers violet-red. 2 to 3 ft.

Ludwig Spaeth. 10 ft. Single flowers of dark crimson-purple; very fragrant. 2 to 3 ft.

Marie Legraye. 10 ft. Single flowers of pure creamy white. A profuse bloomer. 2 to 3 ft.

Above French Hybrids, \$1.50 each, \$16.50 per doz.

Vitex • *Chaste Tree*

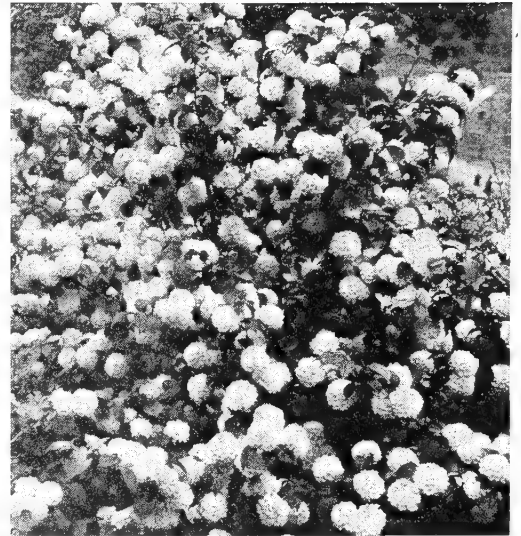
Macrophylla. 5 to 6 ft. Spikes of beautiful lavender-blue flowers in late summer, against the star-like gray-green leaves. 2 to 3 ft., \$1.25 each, \$13.75 per doz.

Weigela

These are among the most popular flowering shrubs, covered in May and early June by their large, trumpet-shaped flowers.

Bristol Ruby. (*New.*) Plant Patent No. 492. An attractive shrub with ruby-red blossoms on entire plant from June through July, and intermittently throughout the season. Six-foot fine-formed shrub at maturity. 2 to 3 ft., \$1.25 each, \$13.75 per doz.

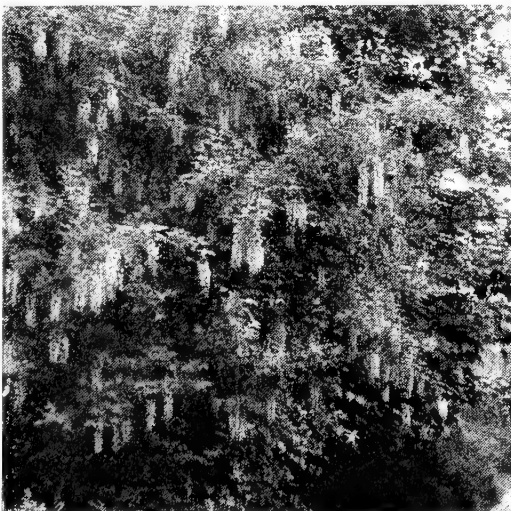
Eva Rathke. Blooms all summer. The flowers are ruby-carmine. 5 feet high when mature. 2 to 3-foot plants. \$1.15 each, \$12.75 per doz.



Viburnum plicatum



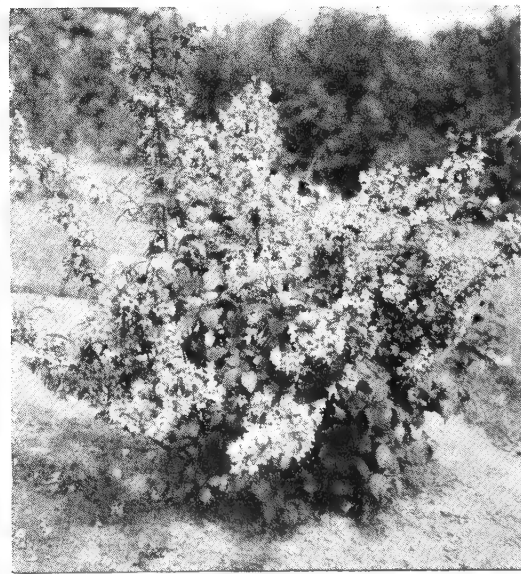
Vitex macrophylla



Laburnum



Philadelphus coronarius (Mock Orange)



Weigela

NEW YORK 8, N. Y. Dig hole 2 ft. by 2 ft. Have earth-mark on shrub even with surface; spread roots outwards and downwards; work soil around them. Fill hole to the top; then water.

Hardy Flowering Shrubs 89

HARDY FLOWERING VINES

These are strong, two-year-old, field-grown plants. We wrap each vine individually, with the roots well protected, and mark clearly the name of the variety.

Ampelopsis

Boston Ivy; Oriental Ivy

Veitchi. The most popular of all climbing plants. Attains a height of 30 feet in two or three years; clings to stones, brick, or woodwork. 60 cts. each, \$6.60 per doz., \$50 per 100.

Bignonia

Grandiflora. A fast-growing vine with large orange trumpets borne in profusion during summer. Succeeds most anywhere. \$1.50 each, \$16.50 per doz.

Yellow Trumpet Vine. A splendid pure yellow variety. \$2 each, \$22 per doz.

Celastrus scandens

Bittersweet or Waxwork

One of our native climbing plants with attractive light green foliage and yellow flowers during June, followed in the autumn by bright orange fruit. \$1 each, \$11 per doz., \$85 per 100.

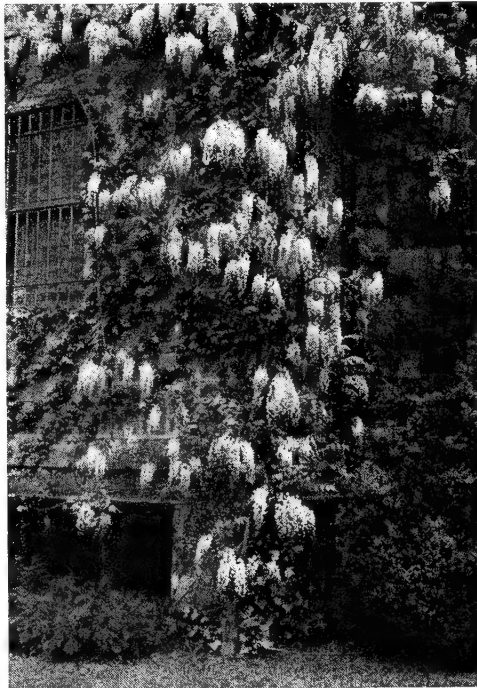
Euonymus

Radicans (Wintercreeper). Deep evergreen foliage. It is hardy and useful for covering low foundation walls. \$1 each, \$11 per doz.

Radicans vegetus (Evergreen Bittersweet). Produces bright orange-red berries which remain on the plant the greater part of the winter. Clings to stone or brick, but not stucco. \$1.50 each, \$16.50 per doz.

Honeysuckle

Halliana (Hall's Oriental Honeysuckle). White flowers changing to yellow; very fragrant. 50 cts. each, \$5.50 per doz., \$42.50 per 100.



Clematis

Plant them in rich soil, give them a trellis or fence on which to climb, and water them in dry weather.

SINGLE LARGE-FLOWERING

Crimson King. A beautiful crimson-toned flower with a satiny finish. \$1.50 each.

Duchess of Albany. Gorgeous pink, trumpet-like flowers. An unusual type. \$1.50 each.

Henryi. Pure white; large and remarkably handsome. \$1.25 each, \$13.75 per doz.

Jackmani. A perfect mass of bloom when in full flower. Color dark, rich, royal purple. \$1.25 each, \$13.75 per doz.

Lawsoniana. Large; rosy purple. \$1.25 each.

Mme. Edouard Andre. Unusual reddish purple flowers. \$1.25 each, \$13.75 per doz.

DOUBLE LARGE-FLOWERING

Duchess of Edinburgh. Large, double white flowers. \$1.25 each, \$13.75 per doz.

SMALL-FLOWERING CLEMATIS

Paniculata (Virgin's Bower). The flowers appear in profusion during August, and continue until late in the fall, are white and deliciously fragrant. 75 cts. each, \$8.25 per doz., \$60 per 100.

Texensis (*Clematis coccinea*). Urn-shaped, vivid scarlet blooms. 85 cts. each, \$9.35 per doz.

Wisteria

The ideal conditions for Wisterias are a well-drained loam, sunshine and plenty of moisture while in flower, but, given all these, the plants often refuse to flower. Hard pruning is usually the answer. These are all strong, 2-year-old, grafted plants which more definitely assure flowering in from 2 to 3 years.

Sinensis (Chinese Wisteria). When established it grows 15 to 20 feet in a season. Pale blue. \$1.25 each, \$13.75 per doz.

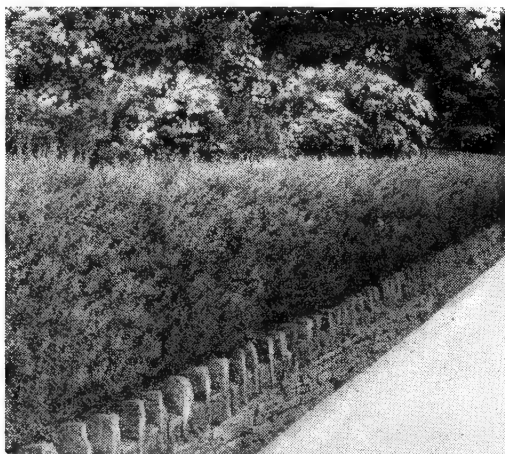
Sinensis, White. A white-flowering form of the above. \$1.25 each, \$13.75 per doz.

Polygonum Auberti

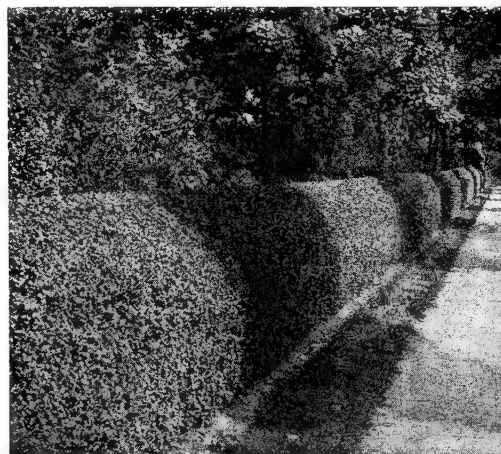
Silver Lace Vine

The plant is of strong, vigorous growth, attaining the height of 25 feet or more, and producing great foamy sprays of white flowers. \$1.25 each, \$13.75 per doz.

HEDGE PLANTS FOR HOME AND GARDEN ENCLOSURE



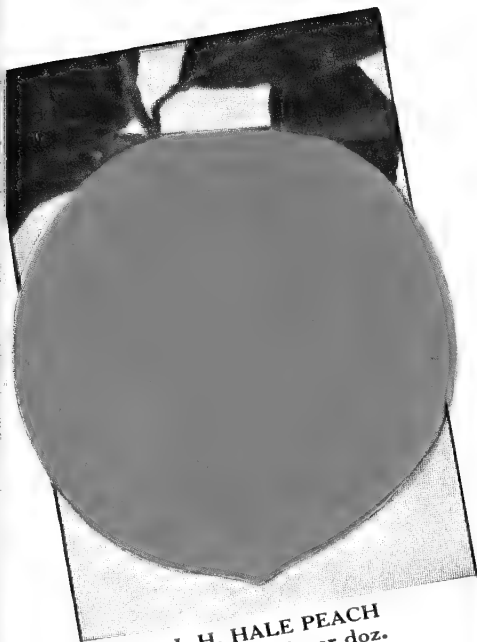
Berberis Thunbergi pluriflora erecta. Truehedge Columnberry. Pat. 110. A new Barberry of upright growth with rich green foliage turning bronzy in autumn. Lovely scarlet berries. Needs little or no trimming. It grows erect—making the perfect hedge. Plant 15 inches apart. 1½ to 2 ft. 75 cts. each, \$3 for 5, \$5.50 for 10, \$12.50 for 25, \$45 per 100.



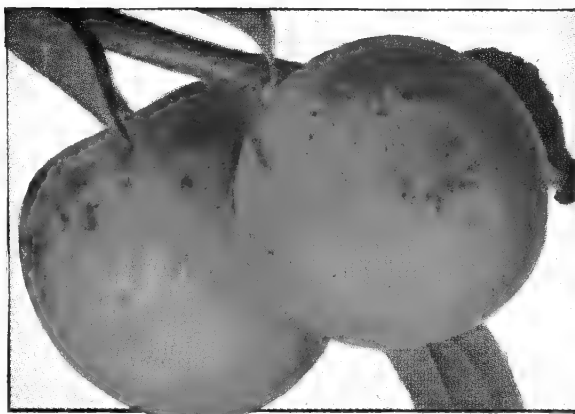
California Privet (*Ligustrum ovalifolium*). This is the most popular of all hedge plants. Should be set 1 foot apart in double rows in zigzag fashion. This practically places them 6 inches apart, which is desirable to get quick, dense growth. Will stand pruning to keep in form desired. Extra-strong, 3-foot plants, \$1 for 5, \$1.75 for 10, \$4 for 25, \$12 per 100, \$110 per 1000.



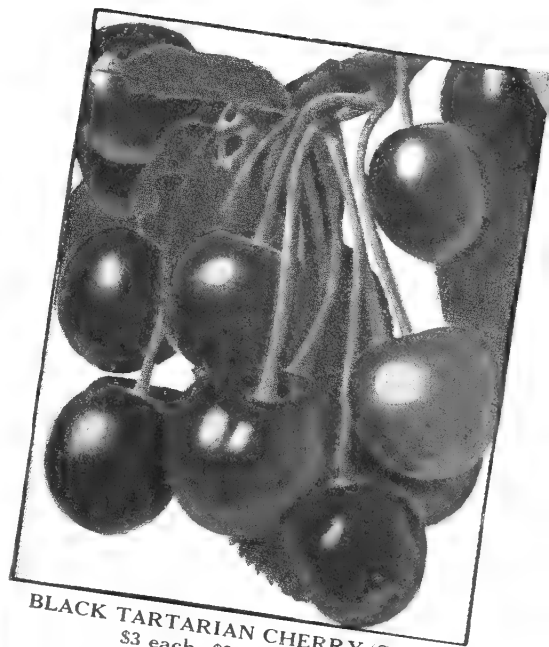
Berberis Thunbergi. Oriental Barberry. Requires but little pruning to keep it in shape. The leaves are small, light green, and towards fall assume rich, brilliant colors, the fruit or berries becoming scarlet. Small spines deter trespassers breaking through. Extra-strong, 1½ to 2 ft., 4 to 6 branches. 60 cts. each, \$2.50 for 5, \$4.50 for 10, \$10.50 for 25, \$40 per 100.



J. H. HALE PEACH
\$3 each, \$33 per doz.



BURBANK PLUM
\$3 each, \$33 per doz.



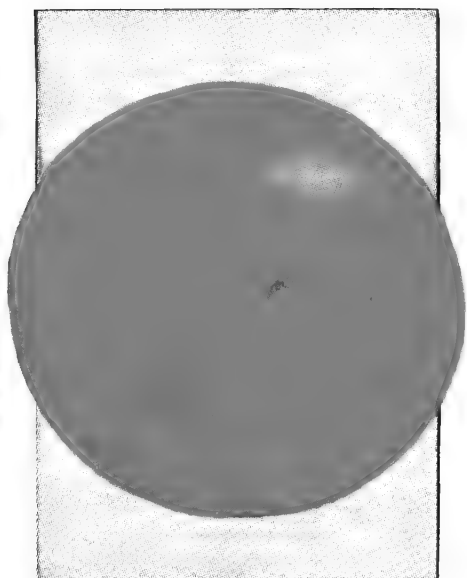
BLACK TARTARIAN CHERRY (Sweet)
\$3 each, \$33 per doz.

Delicious Fruits and Vegetables

EASILY GROWN IN YOUR BACK YARD

Plant them now to yield food that will be extra valuable in future years because it will be gathered ripe, garden-fresh, and therefore vitamin-full.

Select OTHER fine varieties from pages 92 to 95



McINTOSH APPLE
\$3 each, \$33 per doz.
Delicious eating variety.
(Late autumn)



GOVERNOR WOOD CHERRY (Sweet)
\$3 each, \$33 per doz.



SECKEL PEAR
\$3 each, \$33 per doz.
Splendid late summer variety



PRESIDENT WILDER CURRANT
50 cts. each, \$5.50 per doz.
Shipped to points within New York
State only

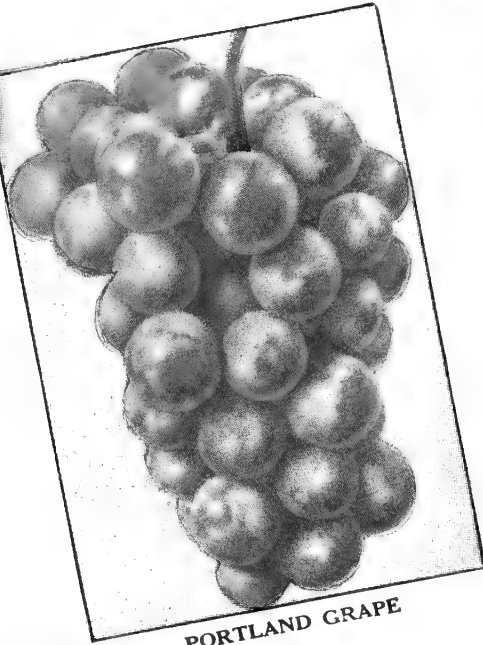


VICTORIA RHUBARB
Roots, 40 cts. each, \$4.25 per doz.,
\$8 for 25, \$15.50 for 50, \$30 per 100

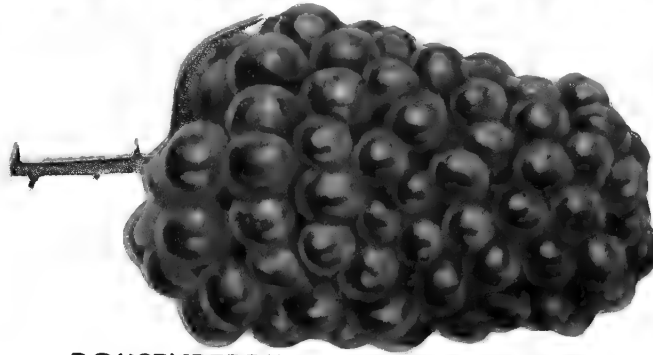


DOWNING GOOSEBERRY
50 cts. each, \$5.50 per doz.
Shipped to points within New York
State only

Fruits for the Home Garden



PORTLAND GRAPE



BOYSENBERRY

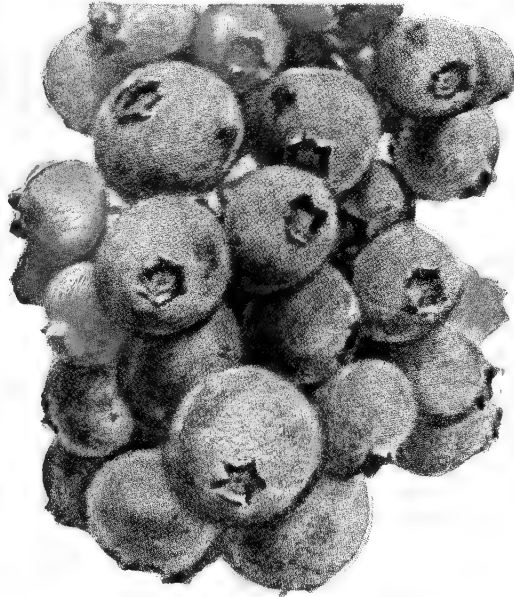
Large, juicy berries of unusual sweetness. For desserts, wines, jelly, jam or preserves. 30 cts. each, \$3.25 per doz., \$22.50 per 100.



CUMBERLAND RASPBERRY



CONCORD SEEDLESS GRAPE



NEW GIANT BLUEBERRY

Burlington. Enormous juicy berries look like grapes, and have few seeds. Flavor is wonderful. We offer plants 1½ to 2 feet high. \$3 each, \$33 per doz.

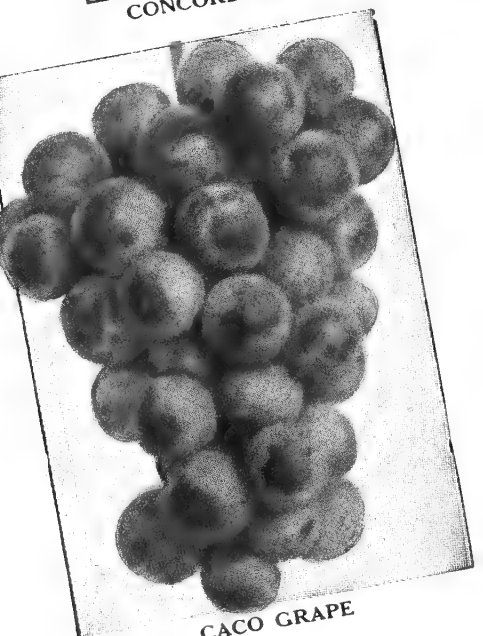
OTHER GOOD SORTS

Concord. Upright grower with large berries. Early.
Rubel. Late. Produces fruit of excellent quality.

1 to 1½ ft., \$2 each, \$22 per doz.
1½ to 2 ft., \$2.50 each, \$27.50 per doz.



CHIEF RASPBERRY



CACO GRAPE



STRAWBERRIES

Eight fine spring-bearing sorts, potted plants, \$2 per doz., \$3.50 for 25, \$12.50 per 100.

Early: Blakemore, Dorsett, Fairfax, Red Star.

Midseason and Late: Big Joe, Catskill, Chesapeake, Premier.

Two good everbearing sorts, potted plants, \$2.50 per doz., \$4.50 for 25, \$15 per 100.

Mastodon Progressive
Strawberries shipped only within Japanese Beetle area.



ELDORADO BLACKBERRY

PRICES OF RASPBERRIES AND BLACKBERRIES

Varieties illustrated above, 25 cts. each, \$2.75 per doz., \$21 per 100.

PRICES OF GRAPE-VINES

Portland. White. 60 cts. each, \$6.50 per doz.
Concord Seedless. Black. \$1.50 each, \$16.50 per doz.

Caco. Red. 75 cts. each, \$8 per doz.

FRUIT TREES

We furnish high-quality, clean plants which, if treated with average care, are sure to succeed. When received they should be planted at once in rich, prepared soil, the roots being carefully separated and spread. If dry weather follows planting, they must be watered.

Shipping season, April and May

STANDARD TREES. 5 to 7 ft. high. \$3 each, \$33 per doz., except where noted

APPLES

They should produce fruit the fourth year after planting, and continue to do so for forty years. Easily grown in any good soil. Plant 40 feet apart. Spray in winter with Lime-Sulphur and Scalex. Just as the first buds begin to burst, spray again with these two along with Black-Leaf 40. Spray with arsenate of lead when the buds show pink, again when the petals begin to fall, and finally two weeks after all petals have fallen—five sprayings in all.

Baldwin. (Late.) Deep red. All purpose.

Delicious. (Late.) Dark red eating Apple of delightful flavor.

Greening. (Winter.) Large yellow-green fruit. Favorite cooking variety.

Hyslop. (Crab.) Red and yellow striped. The best Crab-Apple.

McIntosh. (Late.) Dark red, white-fleshed eating Apple. Extra quality.

Williams' Early Red. (Early.) One of the best early summer sorts.

Yellow Delicious. (Late.) Large; golden yellow.

Yellow Transparent. (Early Summer.) Fruit medium to large, with a brilliant yellow, waxy skin. Flesh is tender, crisp, and juicy.

PEACHES

Should begin to yield fruit the second year after planting, and usually live ten to fifteen years. Plant 20 feet apart.

Gum exudations and sawdust at the base will suggest borers; dig out with a wire, or inject Borer-kill into the hole. In early September make a ring of Paradichlorobenzene 2 inches from the trunk. Spray in winter with Lime-Sulphur. Spray again with Wettable Sulphur, Hydrated Lime and Arsenate of Lead in spring when the husks or old calyx rings are shucking.

Belle of Georgia. (Late.) White freestone. Juicy and of fine flavor.

Elberta. (Midseason.) Yellow freestone. Attractive and excellent quality.

Hiley. (Early.) White freestone. Dependable all-purpose Peach.

J. H. Hale. (Midseason.) Yellow freestone. Large attractive fruit of extra quality.

CHERRIES

Sweet Cherries do well on rather light land and eventually grow into larger trees than the sour variety, which thrives in heavier soil. Plant from 20 to 30 feet apart, the sour Cherries closer than the sweet kinds.

Spray with Lime-Sulphur in late winter, again with Wettable Sulphur and Arsenate of Lead when the petals fall; once more when the calyx rings shuck off. When color first appears on the fruit, spray may be repeated.

Black Tartarian. (Early; sweet.) Large black fruit of best quality.

Governor Wood. (Early; sweet.) Large yellow fruit with red cheek.

Improved Montmorency. (Midseason; sour.) Attractive red fruit with firm flesh. The best sour Cherry.

Sweet September. Patent No. 94. (Late; sweet.) Fine-quality dark red fruit ready to pick in early autumn.

Yellow Spanish. (Early; sweet.) Amber-yellow flushed red. Firm sweet flesh.

PEARS

Will grow on any good loamy soil, preferably one on the heavy side. Plant 20 feet apart, and they should begin to yield the third year after planting.

Pears are attacked by "Fire-Blight," the blackened leaves looking as if they had been burned in a fire. Remove immediately and burn blighted branches. The spray program for Apples above may be followed for Pears.

Anjou. (Late fall.) Large yellow Pear blushed red.

Bartlett. (Late summer.) Large yellow fruit.

Seckel. (Late summer.) Small brownish fruit.

PLUMS

Plums do best on rather heavy clay soils but will give good results almost anywhere. Superfluous, broken or diseased branches are pruned out late each winter.

Spray just before the buds burst with Sunoco Oil Emulsion. An application of Wettable Sulphur and Arsenate of Lead may be made after the shucks have fallen, followed by another one week later.

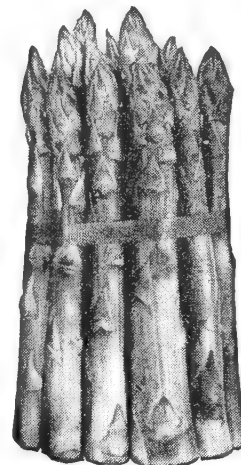
Abundance. Flesh light yellow, very sweet.

Burbank. Large dark violet fruit.

Prune. Large dark blue fruit.

BUSH CHERRIES

Hansen. A real novelty of merit. You can now have Cherries even though your gardening space is limited. Though the fruit of this Bush Cherry closely resembles a plum in size and shape, it comes in clusters completely covering the branches. The bush grows 5 to 6 feet tall and will usually bear fruits the second year, and yearly from then on. The fruit is of good flavor and is excellent for eating and making jams and jellies. 2-yr. plants, 18 to 24 in., 75 cts. each, \$8.25 per doz.



Mary Washington Asparagus

ASPARAGUS ROOTS

It is generally thought that it requires too much space to grow Asparagus, but a plot 6 feet wide and 50 feet long will be sufficient to plant 100 roots, enough for an ordinary family.

Dig a trench 1½ feet deep and 1 foot wide, and dig into the bottom about 4 inches of well-rotted manure, tread down firmly. If manure cannot be obtained, work under 100 pounds of Humus and 10 pounds of General Garden Fertilizer to each 50 feet of row. On this put about 5 inches of good, rich soil, and then lay the roots in, about 18 inches apart, taking care to spread well, having the crown in an upright position. Cover to within 4 inches of the top of the trench and, as the plants grow, gradually fill the trench to the surface. Between the rows allow 18 inches.

Paradise. A remarkably heavy producer and the stalks are very large—often only seven or eight to a pound bunch. Their flavor is unusually good. Large, 2-year roots, \$2 for 25, \$3.50 for 50, \$6 per 100, \$50 per 1000.

Mary Washington. Rust-resistant, vigorous, and of wonderful quality. Produces large cuttings of colossal shoots, straight, dark green in color, and with a heavy purple overtone. Extra-choice 2-yr. crowns, \$1.75 for 25, \$3 for 50, \$5 per 100, \$45 per 1000. Selected 3-yr. crowns for forcing, \$2.50 for 25, \$4 for 50, \$7.50 per 100, \$60 per 1000.

RHUBARB ROOTS

Plant 3 feet apart in well-manured ground. Mulch with manure or Mulch-o-Nure after ground freezes.

Victoria. A reliable and productive variety. Strong Roots, 40 cts. each, \$4.25 per doz., \$8 for 25, \$15.50 for 50, \$30 per 100.



The ideal home garden—fruit, vegetables and flowers

CHOICE BERRIED FRUIT



A mulch of salt hay or straw makes for cleaner, larger Strawberries. Keeps down weeds also

BLACKBERRIES

Like the raspberry, this plant produces fruit on branches developed the previous summer; and when fruiting is over, these bearing branches or "canes," which have borne fruit, are pruned out.

Young branches which appeared during the season may be tied to stakes to keep them off the ground; they will bear next year. Plant 3 feet apart in rows.

2-yr. plants, 25 cts. each, \$2.75 per doz., \$21 per 100

Blowers. Large glossy berries of fine quality.
Eldorado. Large black very sweet berries.

BLUEBERRIES

Like moist, sour soil. To ordinary land add large quantities of peat and sand and do not allow to dry out. Plant 4 feet apart.

Burlington. The mammoth berries are shown in color on page 92. Newest and best variety. 18 to 24 in., \$3 each, \$33 per doz.

Concord. Grows 6 feet tall and bears heavy crops of large berries of best quality in July. 12 to 18 in., \$2 each, \$22 per doz.

18 to 24 in., \$2.50 each, \$27.50 per doz.

Rubel. Another 6-foot variety which ripens berries in August. Large fruit of fine color. 12 to 18 in., \$2 each, \$22 per doz.

18 to 24 in., \$2.50 each, \$27.50 per doz.

BOYSENBERRY

Wine-colored berries larger than blackberries and with a distinct flavor. Few seeds. Treat like blackberries. Strong canes, 30 cts. each, \$3.25 per doz.

GRAPES

Plant at least 6 feet apart in ordinary good soil and train on wire or other supports.

All Grapes, 2-yr. selected stock, 60 cts. each, \$6.50 per doz., except where noted.

Caco. (Red.) Large wine-red berries. Midseason. 75 cts. each, \$8 per doz.

Catawba. (Red.) Dark purplish red berries of extra quality. Late.

Concord. (Black.) The standard blue-black Grape. Midseason.

Concord Seedless. (Black.) Same quality Grape as the popular Concord but seedless. Midseason. \$1.50 each, \$16.50 per doz.

Golden Muscat. (Yellow.) Large golden Grape. Midseason. \$1.50 each, \$16.50 per doz.

Niagara. (White.) The midseason greenish white Grape.

Portland. (White.) An early green-white Grape of highest quality.

Worden. (Black.) Large clusters of very sweet blue-black Grapes. Earlier than Concord.

RASPBERRIES

Succeed well on any good land but amply repay high cultivation. Red and yellow varieties should be planted in rows 6 feet apart and 3 feet apart in the rows; black- and purple-cap varieties 7 feet apart and 3 feet in the rows. Cut out all old wood as soon as the canes have done bearing—to give more vigor to young canes, produced during the current year; these you retain to yield fruit next season.

All Raspberries, 2-yr. transplanted stock, 25 cts. each, \$2.75 per doz.

Bristol. (Black.) New; excellent quality. Early.
Chief. (Red.) Midseason variety of heavy yield. Popular.

Cumberland. (Black.) Heavy bearer of delicious berries. Midseason.

Cuthbert. (Red.) A high producer of superior quality. Midseason.

Golden Queen. (Yellow.) Wonderfully sweet golden berries.

Indian Summer, Everbearing. (Red.) A full crop in June and another in the fall.

St. Regis, Everbearing. (Red.) Crimson berries from early until late. Delicious.

Taylor. (Red.) Large attractive berries of excellent quality. Midseason.

Currants and Gooseberries

Plant in rows 6 feet apart, and 4 feet apart in the rows, or, if to be cultivated both ways, 5 feet apart each way. The soil should be well cultivated. After planting cut back the tops one-half of the previous year's growth. For the first four or five years some of the wood made in the spring should be cut back in the fall, in order to make a more symmetrical plant and a greater number of fruit-buds. General Garden Fertilizer forked in each fall around base of plant will prove very beneficial.

CURRANTS

2-yr. plants, 50 cts. each, \$5.50 per doz.

Fay's Prolific. Vigorous, productive bushes. Large clusters of dark red, juicy berries.

Pres. Wilder. Upright bush. Fine, large, bright red berries, firm and juicy.

GOOSEBERRIES

2-yr., 50 cts. each, \$5.50 per doz.

Downing. Prolific with large pale green berries.
Houghton. Medium-sized red berries.

Owing to quarantine regulations, we cannot ship currants or gooseberries outside New York State

STRAWBERRIES

Are Easily Grown

Rich soil, kept firm and with a plentiful supply of moisture, is desirable. Select potted plants and space them at 9-inch intervals in rows 2 feet apart in spring or late summer.

Keep the row well weeded at all times, and your hoeing must be very shallow, because all feeding roots are close to the surface. Whiten the soil around the plants with General Garden Fertilizer in November and May. Spread ½ inch of peat moss over both ground and plants in December, and brush it lightly off the leaves in April.

Strawberry plants produce daughter plants around the parent, and as care of a bed develops into routine, it is usual to retain daughter plants at approximately 9 inches apart; in early autumn, transplant unwanted plants into new rows and destroy the year-old parents.

Runners connecting plants should be cut as soon as young ones are rooted.

EARLY

Blakemore. Extra-early variety with large fruit excellent for preserving. U. S. Government variety.

Dorsett. A very vigorous-growing variety. Early. Bright red, cone-shaped berries.

Fairfax. Berry of exceptional firmness and high dessert quality. A prolific bearer.

Red Star. Large, solid berry, red clear through. Heavy producer. U. S. Government variety.

Potted Plants, \$2 per doz., \$3.50 for 25, \$12.50 per 100

MIDSEASON AND LATE

Big Joe. A very productive variety with extremely large berries, and one of the best-flavored sorts. In size, firmness, yield, color, and quality, it leads. Midseason.

Catskill. Plants are large and healthy. Fruit extremely large, well colored. Midseason.

Chesapeake. Has a beautiful appearance. Extra large and even in shape. Late.

Premier. Produces an abundance of large, bright flame-colored berries.

Potted Plants, \$2 per doz., \$3.50 for 25, \$12.50 per 100

The above types produce one abundant crop of flowers, followed by fruit, in spring or early summer.

The following types produce flowers rather sparingly all the year. By keeping these pinched off in spring and summer until August 15, and so building up reserved strength in the plant, a fair crop of good fruit will be developed for the autumn.

EVERBEARING VARIETIES

Mastodon. Fruit is very large and produces berries from summer to late fall.

Progressive. Produces fruit all season. Berries of medium size and full flavored.

Potted Plants, \$2.50 per doz., \$4.50 for 25, \$15 per 100

Above will be ready in April; available also in August

ALPINE STRAWBERRY (Small Fruited)

Here is a real two-purpose novelty

Plant in borders, rock-gardens, or beds and enjoy a crop of small, delicious berries all summer. Charming in appearance. In flavor it is similar to the Wild Strawberry.

Baron Solemacher. Red fruits. Exceedingly sweet.

Potted Plants, \$1.75 per doz., \$3 for 25, \$10 per 100

Alpine Strawberries may also be grown from seed. See page 55

Note. Strawberry Plants cannot be shipped to points outside Japanese Beetle area.

A VICTORY FRUIT-GARDEN

Here is an Economy Collection, containing the best varieties of Fruits, Berries, Rhubarb, and Asparagus; all are easy to grow. Suitable for a family of 3 to 6, and needs only 35 by 30 feet of garden space. Plant as shown on diagram.

- 1 Apple.
- 1 Sweet Cherry.
- 1 Freestone Peach.
- 1 Pear.
- 4 Blueberries (Marked B on plan).
- 6 Assorted Grape-Vines.
- 5 Blackberries. Large.
- 5 Boysenberries.
- 10 Raspberries, in variety.
- 50 Strawberries. 25 everbearing, 25 spring-bearing.
- 10 Rhubarb.
- 100 Asparagus.

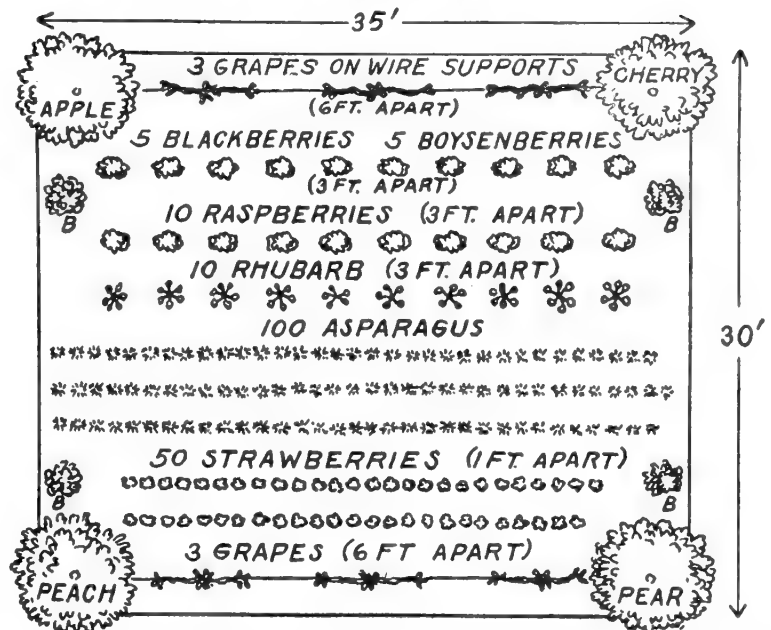
COLLECTION FVC. 194 separate items.
Catalogue value \$49.35 . . . \$45

If you wish only the Fruit Trees and Fruit Bushes listed above, consisting of 4 trees, 30 bushes and 50 plants, order Collection FC, and plant it on an area 35 by 20 feet.

COLLECTION FC. 84 separate Fruits.
Catalogue value \$40.80 . . \$37.75

The Rhubarb and Asparagus may be purchased alone in Collection VC. They will occupy 35 by 10 feet.

COLLECTION VC. 110 separate Vegetable Roots.
Catalogue value \$8.55 . . . \$7.75



Here is one way to put out the 194 items in the complete \$45 Collection. The \$37.75 Collection consists of the Fruits only, while the \$7.75 Collection furnishes the Rhubarb and Asparagus (4 rows).

PLANTS OF BEDDING FLOWERS AND VEGETABLES

For those who lack the facilities for starting seeds indoors, yet wish for earliest results, we offer the following at our Stores. They have been grown in our own greenhouses and are of ideal size to set in the garden.

On orders for Annual and Vegetable Plants \$10 or more in value, we pack carefully and prepay to points within 50 miles of New York

City; we ship these orders when \$10 or over to points beyond 50 miles by Express, charges collect.

Owing to their fragile nature, we do not solicit orders for less than \$10, except at our stores on a Cash and Carry basis. Under present conditions we cannot deliver them, nor send them by Parcel Post.

AGERATUM, Purple Beauty. Effective bedding and edging plant, 9 ins. 3-in. pots, 20 cts. each, \$2 per doz., \$15 per 100.

ALYSSUM, Violet Queen. 6 ins. White Carpet. 3 ins. 2 1/4-in. pots, 15 cts. each, \$1.25 per doz., \$9.75 per 100

ANTIRRHINUM (Snapdragon), Rust-proof Super-Giants. 2 1/4-in. pots, 15 cts. each, \$1.25 per doz., \$9.75 per 100.

ASTER, Midseason Giants (Wilt-resistant). Azure-Blue, Purple, Rose, White. Each color, 2 1/4-in. pots, 15 cts. each, \$1.25 per doz., \$9.75 per 100

DAHLIA, Dwarf Bedding Hybrids. 3-in. pots, 20 cts. each, \$2 per doz., \$15 per 100.

ENGLISH IVY. 2 1/4-in. pots, 25 cts. each, \$2.50 per doz., \$15 per 100. 4-in. pots, 60 cts. each, \$6.50 per doz., \$47.50 per 100.

GERANIUMS. Pink and Red. 4-in. pots, 60 cts. each, \$6.50 per doz., \$47.50 per 100.

The Best Five Marigolds

3-in. pots, 20 cts. each, \$2 per doz., \$15 per 100

Guinea Gold. Flowers of rich golden yellow.

Harmony. Orange and maroon.

Scarlet Glow. Glowing, fiery red.

Yellow Pygmy. Light lemon-yellow.

Yellow Supreme. Dazzling lemon-yellow.

LANTANA. Orange, White, Rose. 3-in. pots, 30 cts. each, \$3.25 per doz., \$22.50 per 100.

Petunia

Balcony Blue. A shade of cornflower-blue.

Balcony Purple. Velvety violet-purple.

Balcony Rose. Clear rose blooms.

Balcony White. A nice clean white.

New Rosy Morn. Rosy crimson.

Rose of Heaven. Rich, brilliant rose.

2 1/4-in. pots, 15 cts. each, \$1.25 per doz., \$9.75 per 100

S. & W. Co.'s Dwarf Giants of California. 4-in. pots, 25 cts. each, \$2.50 per doz., \$17.50 per 100.

SALVIA, Bonfire. Brilliant scarlet. 2 1/4-in. pots, 15 cts. each, \$1.25 per doz., \$9.75 per 100.

VERBENA, Giant-flowering, Mixed. 2 1/4-in. pots, 15 cts. each, \$1.25 per doz., \$9.75 per 100.

VINCA variegata. 3-in. pots, 25 cts. each, \$2.50 per doz., \$17.50 per 100.

Zinnia

Giant Double Dahlia-flowered, Mixed. A wide range of rich colors.

S. & W. Co.'s, Midget, Mixed. An unmatched mixture of the little Zinnias.

2 1/4-in. pots, 15 cts. each, \$1.25 per doz., \$9.75 per 100

Vegetable Plants

Pot-grown for Safe Planting

EGGPLANT, Spineless.

PEPPER, California Wonder.

TOMATO, Crimson Cushion (Beefsteak), John Baer, Marglobe, Golden Queen (yellow), Ponderosa, Rutgers, Victor (early), Stone.

TOMATO, Small-fruited Varieties: Red Cherry, Red Pear, Red Plum, Yellow Cherry, Yellow Pear, Yellow Plum.

All Pot-grown Vegetables, 2 1/4-in. pots, \$1 per doz., \$7.50 per 100

Flat-grown for Economy

BROCCOLI BRUSSELS SPROUTS

CABBAGE, Copenhagen Market

Early Jersey Wakefield

Late Flat Dutch

Drumhead Savoy

Red

CAULIFLOWER

KOHLRABI

LETTUCE, Iceberg

Big Boston

CELERY

PARSLEY

Romaine (Cos Lettuce)

50 cts. per doz., \$3 per 100

Sawco-Japy

Bacteria which infects the land with milky disease, fatal to Japanese Beetle grubs. 1 lb. (treats 4000 sq. ft.) \$7.50.

White Cedar Posts (bark removed). For grape-arbors, fences, etc. Diam. 5 to 5 1/2 in. Any length up to 12 ft. 30 cts. per ft.

Red Cedar Poles (bark remaining). For raspberries, blackberries, boysenberries, beans, etc. Diam. 1 1/2 to 2 in. Length 8 ft. 35 cts. each, \$3.50 per doz.

Wire (No. 16). For training raspberries, blackberries, boysenberries, and other fruits. Approximately 105 ft. to 1 lb. Lb. 35 cts., 5 lbs. \$1.50.

Wire (No. 12). For grapes, wisteria, and other heavy plants. Approximately 37 ft. to 1 lb. Lb. 40 cts., 5 lbs. \$1.75.

NEW YORK 8, N. Y. Plant fruit trees and bushes for the world of tomorrow; most will last many years, and some may outlive the buildings on your property

Fruit Collection and Bedding Plants 95

UNUSUAL FOODS FROM OUR EPICURE FOOD MART TO MAKE DINING AND ENTERTAINING A PLEASURE

We have added to each of our up-to-the-minute shops, modern food departments where those who know and enjoy choice foods will find unusual, rare delicacies and specialties to please their sophisticated tastes

ITEMS ON THIS PAGE ARE UNRATEDIONED AND CAN BE PURCHASED WITHOUT STAMPS

HORS-D'OEUVRE AND COCKTAIL SPECIALTIES

Anchovy Strips. Delicious on fingers of toast with cocktails or cut up in mixed green salads.

2 oz. tin 32 cts.

Anchovy Paste. Made only from imported Anchovies with a little salt added. 2 oz. glass jar 23 cts.

Russian Caviar. The real imported Caviar. Fine for canapes and garnishing.

1 oz. \$1.23, 2 ozs. \$2.45

Smoked Turkey Pate. Fresh smoked meat in spread form.

4 oz. jar 59 cts.

Smoked Turkey Slices. New. Keep several jars on your pantry shelf, and enjoy this delicacy often.

8 oz. jar \$1.32

Smoked Chef's Ready-Cut. The newest. Light and dark meat cut from luscious smoked-cooked turkeys—nothing added but its own rich natural turkey broth.

8 oz. jar \$1.32

Pate of Smoked Rainbow Trout. Here is a lovely new-tasting fish pate for your cocktail spreads. An unusual delicacy for that party unusual.

3 3/4 oz. tin \$1.23

Rolled Anchovies. Serve them on toast. Marvelous for canapes or in salads.

2 oz. tin 34 cts.

Filet of Smoked Herring. Serve on toast or crackers as an appetizer. Packed in pure olive oil and spices.

5 oz. jar 44 cts.

Herring Salad. Fine for spreading on toast or crackers, for an appetizer.

8 oz. jar 22 cts.

Pheasant Giblet Pate. Here is a real delicacy to serve on toast, garnished with chopped eggs at cocktail time or as an appetizer.

3 1/2 oz. tin \$1.26

Martini Olives. The pitted variety you use in Martinis.

4 ozs. 34 cts.

Oversize Ripe Olives. Tremendous beauties.

8 oz. tin 50 cts.

Cocktail Onions. For salads and drinks.

8 oz. jar 49 cts.

Orange Slices. For many uses; not the least is to enhance an old-fashioned.

15 oz. jar 58 cts.

Chicken Liver Pate. A fine spread, ideal for sandwiches, hors-d'oeuvres, canapes and salads.

4 oz. glass jar 48 cts.

Antipasto. A splendid pack of this unusual delicacy. Fish, spice, sauces.

3 1/2 oz. jar 35 cts.

Kipperd Shad. A tasty spread for your crackers or toast with cocktails.

7 oz. tin 46 cts.

Pate de Foie. Pork liver properly spiced and seasoned. A real treat.

6 oz. tin 40 cts.

Roasted Cocktail Beans. Salted soy beans. Delicious; novel.

9 1/2 oz. jar 31 cts.

Cocktail Cherries (Maraschino). Correct for parties.

4 ozs. 32 cts.

FISH, FOWL, MUSHROOM and RAREBIT at Their Best

Au Gourmet Chicken a la King. A meal all ready to heat and serve on toast or in patty shells.

1 lb. jar 94 cts.

Turkey a la King. Delicious for Sunday supper or late snack, served on toast.

14 oz. tin 94 cts.

Iceland Fish Roe. One solid, firm Roe which can be sliced and served cold or fried in sizzling butter.

1 lb. tin 58 cts.

Lobster Spread. Fine for canapes.

7 oz. tin 61 cts.

Lobster Meat. The meat from one-half tender Lobster, ready to serve. Makes a perfect salad and Lobster Newburg.

6 oz. tin 83 cts.

Smoked Silver Eel (Canadian). A wonderfully flavored, real delicacy.

16 oz. tin 70 cts.

Bay Mussels. Succulent, tender Mussels—excellent for chowder, fritters, fish stews or your favorite recipe.

6 oz. tin 30 cts.

The quintessence of epicurean living

BONELESS PHEASANT

The whole delectable bird, in its pure juices. Ready to eat; serve it cold or warmed, as you prefer.

In glass jar, contents 15 ozs. \$6.50.

Pheasant a la Newburg. For that unusual luncheon or late snack. A very distinct flavor.

10 ozs. \$1.28

Wild Turkey a la Newburg. For the lover of wild game this delicacy is a rare treat. The alluring flavor of Wild Turkey captured in a perfect Newburg sauce. Fine for luncheons and evening snacks.

10 oz. tin \$1.28

Mushrooms Broiled in Butter. Ten to twelve real large Mushrooms cooked and seasoned to use as garnish on meats, or on toast as a special treat.

6 oz. tin 63 cts.

Deviled Smithfield Ham. From rangy hogs; the flavor is wonderful.

3 oz. jar 31 cts.

Filets of Mackerel. For a side dish, or a delicious Lenten meal.

5 3/4 oz. tin 28 cts.

Canadian Fish Flakes. Made from Cod Hake and Haddock.

14 oz. tin 41 cts.

Mincd Canadian Clams. Splendid for chowder, fritters, cocktails, and creamed clams.

7 oz. tin 29 cts.

Chicken Fricassee (Boneless). 16 oz. jar 74 cts.

Boneless Chicken. Best of the meat. The main course of a splendid meal at a moment's notice.

16 oz. tin \$2.12

Mushroom Garnish, Spiced and Seasoned. For steaks, fish, and other meats.

9 3/4 ozs. 26 cts.

Mushroom Bordelaise. Spiced Mushrooms to head and serve with steak or omelette.

7 ozs. 46 cts.

PICKLED FOODS

Bread and Butter Pickles. The kind of Pickles that mother used to make.

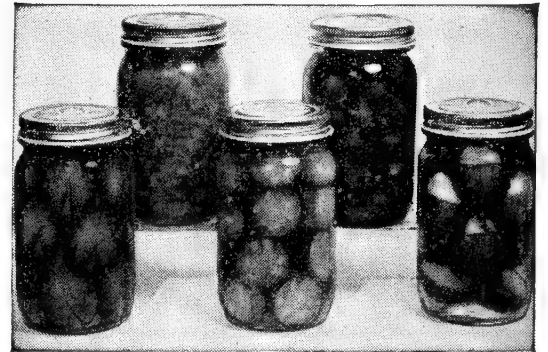
1 lb. jar 40 cts.

Capers. Piquant buds in vinegar. Serve with boiled lamb.

4 oz. jar 25 cts.

Watermelon Rind Spiced. A special rind from New Hampshire, a favorite at St. Paul's School.

Lb. 51 cts., 2 lbs. \$1



DIXIE DAME

"PICKLES WITH A PEDIGREE"

These home-prepared delicacies are most unusual in design and fillings. So attractive on the cocktail tray or for buffet meals. They are all hand made.

POLKA DOTS. White Artichoke balls stuffed with capers and pimientos, lovely to garnish a salad.

10 oz. jar 73 cts.

Acorns. Pickled Burr Gherkins stuffed with almonds, Sweet—Sour.

10 oz. jar 73 cts.

Red Buds. Pickled Burr Gherkins stuffed with maraschino cherries, Sweet—Sour.

10 oz. jar 73 cts.

Moonstones. Pickled Burr Gherkins stuffed with onions, Sweet—Sour.

10 oz. jar 73 cts.

Olive Style. Pickled Burr Gherkins stuffed with pimientos, Sour—Sweet.

10 oz. jar 73 cts.

Midget Dills. Small pickled Gherkins flavored with dill.

10 oz. jar 55 cts.

Stuffed Rings. Rings of Cucumber stuffed with pimientos.

10 oz. jar 73 cts.

Porcupines. Sweet Burr Gherkins stuffed with relish.

1 lb. jar 73 cts.

COCKTAIL CRACKERS

Beaten Biscuits. Make unusual and tempting hors-d'oeuvres with cold meats and salads. Delicious.

Boxes of 12, 18 cts.

Melba Toast. Nice for serving various canapes on; also to serve with soup.

Package 3 3/4 ozs., 30 pieces, 15 cts.

Mellow Whip Peanut Butter Sandwich. Creamy peanut butter between golden Melba Toast. Delicious with drinks of all kinds.

4 1/2 oz. box 31 cts.

Skool Swedish Rye. Slices of Swedish whole rye bread. No animal fats are used in its preparation.

1 lb. package 40 cts.

Burry's Snifties. Spicy cocktail biscuits to be served with drinks.

10 oz. jar 47 cts.

Burry's Parcheeze (Cheeze Crackers).

10 oz. box 31 cts.

THIS SECTION OF OUR CATALOGUE

is printed around December 15, and the foods described are those available on that date.

We offer these foods subject to our having the merchandise in stock at the time you order and to its sale being unaffected by wartime rulings.



ITEMS ON THIS PAGE ARE UNRATEDIONED AND CAN BE PURCHASED WITHOUT STAMPS

**SAUCES, RELISHES and
DRESSINGS**

- Oyster Sauce.** Oysters are combined with other flavorful ingredients to make a wonderful sauce for all fish and meat dishes. 12 oz. bottle \$1.18
- French Dressing.** Fruits and spices in fine French dressing. 16 oz. bottle 48 cts.
- Artichoke Relish.** Made of cucumbers, onions, artichokes, pimientos, and spices. Delightful with cold meats. 10 oz. jar 30 cts.
- Arti Chow.** A real chow-chow with artichoke chips added. 10 oz. jar 37 cts.
- Marie's Sweet Green Tomato Relish.** The old-fashioned relish properly seasoned and spiced. 10 oz. jar 30 cts.
- Mango Chutney.** A condiment of Mango, rich fruits, spices, and herbs. Splendid with cold meats and other foods. 16 oz. jar \$1.15
- Javin India Chutney.** An exquisite condiment that combines hot spices with bland, rich fruits. Delicious with roasts, fowls, and curried dishes. 1 lb. jar \$1
- East India Curry Sauce.** A concentrated sauce ready for the many curried dishes so popular today. Try it especially with shrimp, lamb, or chicken. 10 oz. jar 66 cts.
- Pineapple Chutney.** A new kind of chutney—Pineapple added to a perfect blending of flavorful spices and other ingredients. Fine with cold meats and to dress up left-overs. A favorite with the gourmets. 20 oz. jar 91 cts.
- Chutnut.** A colonial Chutney condiment from an old-time recipe. Delicious with roasts, fowls, curries, sandwiches. 10 ozs. 42 cts.
- Deli Fruitard.** A medley of fine glace watermelon rind, pineapple chunks, kumquats, cherries, melon, pears, figs, apricots, in a tasty mustard sauce. 12 oz. jar 90 cts.
- Deli Chow-Chow.** A collection of garden-fresh vegetables—cucumbers, cauliflower, green peppers, small white onions, small green tomatoes, all specially prepared in mustard sauce. 10 oz. jar 80 cts.

MAYONNAISE

- Lemonaise.** Made with lemon juice, fresh egg-yolks and vegetable oils. Smooth as whipped cream. 16 oz. jar 69 cts.
- Deli Mustard Mayonnaise.** A different Mayonnaise that gives your salads, sandwiches, cocktail spreads, cold meats, and fish an unusual touch. 10 oz. jar 80 cts.

**SWEET CRACKERS, BISCUITS,
FRUIT CAKE and COOKIES**

- Butter Cookies.** These have a delicious rich, melting flavor. 2 1/4 lb. box \$1.35
- Homespun Cookies.** Plain crackers and sugar-filled crackers in a splendid assortment. 1 lb. box 32 cts., 3 1/2 lb. box \$1.16
- Old English Brandied Fruit Cake.** A mixture of delicate spices and choice imported and domestic fruits which have been aged in brandy for many months. After baking, the cakes are soaked in brandy and aged for your holiday dinners. Each cake is attractively packaged as a gift. Lb. \$1.40, 2 lbs. \$2.80, 3 lbs. \$4.20
- Rum Soakies.** Fruit cake, rum-soaked. Fine for dessert. 10 oz. jar \$1

PUFF-OVER

For delicious popovers just add milk and bake for 30 minutes. Serve at breakfast, lunch and dinner. 3 for \$1.20

DEILCACIES, SWEETS and NUTS



- Creme de Apricot** **Creme de Cherry**
Creme de Cocoa
- The above three dessert sauces are of superb flavor. Contains 12% alcohol. 12 ozs. \$1.23 each
- Skippy Creamy Peanut Butter.** Pure, soft, creamy spread with the pure peanut oils left in. A real treat. Lb. jar 48 cts.
- Skippy Chunky Peanut Butter.** Same creamy consistency, but with pieces of the chopped peanut left in. Youngsters love it. Lb. jar 48 cts.
- Dates Whole in Brandy.** To be used for that extra delight with many kinds of desserts. Nice cut up in the fruit cup. Lb. jar \$1.60
- Nesselro.** A fine dessert sauce rich in nuts and fruit. 10 ozs. 62 cts.
- Tippy Topping.** Peach brandy and the unusual flavor of elderflower wine enhance this rich and flavorful topping for parfait, ice cream, and all whipped cream desserts. 12 oz. jar 86 cts.
- Salted Mixed Nuts.** Made up of cashews, pecans, peanuts, and almonds. Lb. \$1.39

VACUUM PACKED NUTS

- They keep in perfect condition. Finest quality.
- Selected Mixed Nuts.** 6 1/2 ozs. 89 cts.
- Fancy Cashews.** 7 ozs. 89 cts.
- Selected Pecans.** 5 1/2 ozs. 79 cts.
- Selected Almonds.** 7 ozs. 98 cts.

- Allen's Toffee Candy.** Famous in England since 1860. 28 oz. box \$1
- Maple Sugar Bricks.** For use in cake-making, icing, and general flavoring of many desserts and dishes. One pound dissolved in 8 ounces of water and boiled for a few minutes will make delightful pure maple syrup. 1 lb. brick 95 cts.
- Maple Cream Sugar Spread.** The pure Vermont Maple Sugar whipped into a smooth creamy spread for use on toast, waffles, hot cereals, or in many other ways. For a new delightful flavor use in iced coffee or tea, in baked beans, a teaspoonful on baked apples or other fruits. 22 oz. jar \$1.45
- Maple Syrup.** Pure Vermont Syrup for the winter pancakes and waffles. 12 ozs. 40 cts.
- Whipped Honey Spread.** This Honey takes a beating and turns to a soft velvety spread. Fine on toast and waffles. Lb. 48 cts.



- Honey Nectar Taster Package.** Six unusual, delicious pure Honeys in individual 2 oz. jars. Enough for the family to enjoy and make selections from. Attractively gift boxed. \$1.50

PRESERVES, CONSERVES

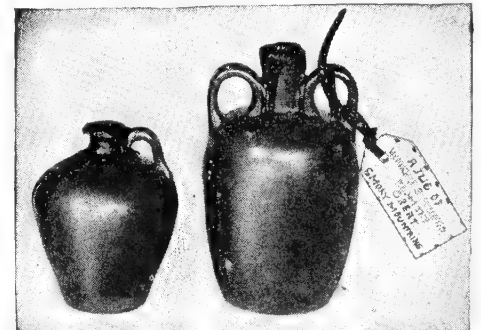
- PURE PRESERVES.** Chock-full of pure fruit and carefully made in the old-fashioned way.
- Apricot.** 16 ozs. 40 cts.
- Grape.** 16 ozs. 30 cts.
- Plumade.** 16 ozs. 36 cts.
- Blueberry.** 16 ozs. 40 cts.
- Cherry.** 16 ozs. 40 cts.
- Peach.** 16 ozs. 40 cts.
- Burgundy Plum.** California sun-ripened Burgundy Plum. Pureed so that the sweetness of the fruit and its tartness, which is next to the pit, is blended into piquant winery flavor through Fancy Fruit Farms exclusive method. Lb. 42 cts.
- Lingon Jam** (Tyttebaer). Made from imported Lingon berries. Fine for meats and Swedish pancakes. 40 cts.
- Conserves.** Tart enough to be eaten with fowl or fine with cream cheese—**Peach, Guava and Honey.** Lb. 66 cts.
- Kumquats in Brandy.** Those tangy little plum-shaped, orange-like fruits, in their proper environment. 16 ozs. \$1.44

MARMALADES

- Orange Marmalade for Breakfast.** 16 ozs. 28 cts., 2 lb. jar 50 cts., 5 1/2 lbs. \$1.60
- Tangerine.** The unusual flavor is a pleasant surprise. Lb. 43 cts.
- Lime.** Limes, lemons, and a little harmless coloring. Lb. 50 cts.
- Orange Sherry.** Oranges, lemons, and sherry wine. Lb. 50 cts.
- Ruby Orange.** Lemons, oranges, and pure cane sugar. Lb. 50 cts.
- Ginger Orange.** Pure oranges plus ginger, a piquant flavor. Lb. 44 cts.

HONEY, NECTAR of the GODS

Our Honeys are unadulterated, and packed in their natural state. All are of different consistencies and some crystallize in a short time; this does not impair quality or taste. If you prefer them clear, place jar in hot water until Honey dissolves. It will not again crystallize.



- Wild Flower Honey.** In quaint Smoky Mountain pottery jugs. These gaily colored, beautifully hand-made jugs are filled with superb wild-flowered honey. A grand gift for week-end hostess or for Christmas. 16 oz. jug 90 cts., 24 oz. jug \$1.30
- Clover.** Our most popular Honey. Lb. 37 cts., 2 lbs. 70 cts.
- Orange Blossom.** A light-colored Honey with a real fragrance. Lb. 49 cts., 2 lbs. 90 cts., 5 lbs. \$1.85
- Catsclaw.** A light, clean Honey of delicate flavor. 1/2 lb. 28 cts.
- Tulip.** Distinct pleasing aroma. Lb. 35 cts.
- Gallberry.** This clear, flavorful Honey has an unusual satisfying taste. Lb. 42 cts.
- Alfalfa.** A light flavorful Honey with an unusual flavor. Lb. 42 cts.
- Palmetto.** This really different Honey is light colored and of a distinct flavor. Lb. 42 cts.
- Eucalyptus.** A full-bodied Honey with a saucy pungency. Lb. 40 cts.

On all Foods from our Epicures' Food Mart purchaser pays transportation. When we ship as gifts we will prepay to recipient by Express or Parcel Post, whichever is cheaper, and send notice of charges to sender after shipment is made

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PURE FRUIT JELLIES

Solid Guava Jelly. Fine with saltines and cream cheese after dinner or lunch. Lb. 50 cts.
Buttered Grape Jelly. Concord grapes, sugar, and pure creamery butter blended to a flavor and texture incomparable. 16 oz. jar 40 cts.
Guava and Honey Jelly. Pure. Splendid with cream cheese. 12 oz. jar 50 cts.
Currant Jelly. 12 ozs. 30 cts.
Mint Jelly. 12 ozs. 25 cts.
Grape Jelly. 16 ozs. 33 cts.
Strawberry Jelly. 12 ozs. 33 cts.
Guava Jelly. 12 ozs. 29 cts.

BITTERS

Orange Bitters. A good mixer for sophisticates. 4 ozs. 63 cts.
Angostura Bitters. The best. You know how good they are in drinks; try them as a flavoring in your cooking also. 8 ozs. \$1.59

BEVERAGES

Garrettson's Sunray. Sunray is concentrated dextrose and vitamins in a powdered form that can be easily made into a really delicious chocolate drink. 2 lbs. \$1.62
Van Houten's Cocoa. Highest quality and finest grind. 1/4 lb. 22 cts.
Grenadine. Fine for all drinks and coloring for fruits. Pt. 50 cts., qt. \$1
Egg-Nog. Made from fresh eggs, milk, sugar and brandy blended perfectly. No preservatives or artificial coloring. 15% alcohol by volume. 12 oz. bottle \$1.25
Raspberry Syrup. For soft drinks and cocktails; serve with pancakes, French toast and puddings. For children and adults. Made from an old-time European formula. 16 oz. bottle 50 cts.
Lemon Essence. Fine for making soft drinks and cocktails calling for lemon juice, also for flavoring cakes and puddings. 4 oz. bottle 42 cts.

TEAS

Stumpp & Walter No. 5. Rare Tea Buds from India which produce a full-bodied, fragrant and rich Tea. Fully fermented. A Tea-drinker's delight. 1/4 lb. 44 cts.
Assam. A fine heavy Indian Tea. 1/4 lb. 45 cts.
Boston Mint Tea. In tea-bags. A superior blend of Orange Pekoe, with a subtle flavor of Mint. Box containing 16 bags 25 cts.

TUXEDO COFFEE

The judgment of diplomats, governors, social leaders, as well as three Presidents of the White House make this brand the aristocrat among Coffees. There is nothing finer. Ground for drip or percolator. Lb. 43 cts.



CHEMEX COFFEE MAKER

One-piece, flame-proof glass with a wood handle. Coffee is placed in filter paper and boiling water poured on.

Grounds are removed with the filter paper, leaving perfect, full-flavored, filtered coffee. The Coffeemaker is cleaned as easily as a cup.

Complete with 100 Filter Papers \$6.50.

Extra Filter Papers \$1.50 per 100.

Pt. size \$5, Complete with Filter Papers.

READY-TO-SERVE SOUPS

Fancy Green Turtle Soup with Sherry and Turtle Meat. A delicacy made from fresh caught sea-turtles. 32 oz. jar \$1.50
Green Turtle Consomme. 13 oz. tin 31 cts.
Green Turtle Soup with Sherry. Clear soup and spiced. 32 oz. tin \$1.08
Vichyssoise. The true potato soup of France with all its romance. 14 oz. tin 27 cts.
Chicken Broth. 14 oz. tin 34 cts.
Chicken Gumbo. 14 oz. tin 27 cts.
Turkey Gumbo Soup. 14 oz. tin 27 cts.
Black Bean Soup with Sherry. 20 oz. tin 27 cts.
Onion Soup. 14 ozs. 27 cts.
Chicken and Water Cress. 14 ozs. 27 cts.
Chicken Malakoff. 14 ozs. 27 cts.
Clam Juice. All the tang of the sea, and packed with vitamins. 8 ozs. 19 cts.

CONCENTRATED SOUPS

V-Bo Boullion Paste. A beef base properly blended and spiced. 16 oz. jar \$1, 6 ozs. 39 cts.
Green Pea Soup (Dehydrated). This is a pure soup, well seasoned and flavored. 9 oz., sufficient for 12 to 15 servings. 25 cts.
White Bean Soup (Dehydrated). Prepared by the same people as the Green Pea and has a most delightful flavor. 9 ozs. 25 cts.
Vegetable Beef Soup. Made of finest beef stock and dehydrated vegetables and noodles. Makes 1 gal. of rich soup. 9 ozs. 35 cts.
Chicken & Noodle Soup. Here is a real treat for all. Pure chicken soup concentrated. Makes 1 gal. of nourishing soup. 9 ozs. 31 cts.



HERBS, SPICES, VINEGARS, OILS

Au Gourmet Olive Oil. The finest quality French Oil packed in tins and, of course, scarce. Qt. \$2.75
Sauterne Wine Vinegar. With the full bouquet of the wine. Makes salad dressing taste better. 32 oz. bottles 35 cts.
Red Wine Vinegar. Made from red grapes, for salads, etc. 32 oz. bottles 35 cts.
Tarragon Vinegar. Gives a zest to salads. 32 oz. bottles 35 cts.
Pear Vinegar. A 2-year-old aged-in-the-wood Vinegar for that unusual bouquet. 24 oz. bottle \$1.
Flavored Vinegars: Salad Bouquet, Tarragon, Basil, Mint and Garlic. Flasks, 16 fluid ozs., any of the 5 types 75 cts.
Dressing for Salad Greens. A piquant combination of Tarragon vinegar, olive oil, spices and fresh herbs. Flasks, 6 fluid ozs. 75 cts.
Salad Herbs. Sprinkle the contents over mixed greens for a wonderful salad. Large jar, 1 oz. net, 50 cts.
Herbed Gravy Maker. A mouth-watering blend to flavor and thicken gravies, soups and sauces. Jars (7 oz.) 35 cts.

EVERYDAY SPICES

Cinnamon. 2 1/2 oz. jar 45 cts.
Whole Cloves. 2 oz. jar 30 cts.
Whole Nutmeg. 2 1/2 oz. jar 35 cts.
Powdered Nutmeg. 2 1/2 oz. jar 35 cts.
Curry. 2 1/2 oz. jar 30 cts.
Cracked Black Pepper. 2 1/4 oz. jar 40 cts.
Paprika. 2 1/2 oz. jar 35 cts.
Ginger. 2 oz. jar 35 cts.
Whole Allspice. 2 oz. jar 35 cts.
Orange Peel. 2 oz. jar 35 cts.
Whole Vanilla Bean (1). 50 cts. each

SUPERLATIVE HERB SEASONINGS

With these, food may be prepared with the subtlety of a fine art. Directions enclosed.

Salad	Consomme	Savory	Creole
Omelet	Soup	Mint	Fish
Onion	Poultry	Tomato	Garlic

Glass jars, 1/2 oz. net, 30 cts.

UNUSUAL MUSTARDS

Condiments for the connoisseur made in U. S. A. from time-honored formulæ used in France, of Mustard seeds, spices, salt, herbs, wine, vinegar, and flavoring.

Dijon Sharp Mustard
Dijon Tarragon Mustard
Dijon Tomato Mustard

5 oz. usable crocks 52 cts.

Bahamian Mustard. This unusual condiment glorifies the hot-dog—other things also. 4 ozs. 24 cts.

FAMOUS PIQUE SAUCES

In 6 oz. bottles, except where stated

Original Pique Seasoning. A secret blend of rare herbs and exotic spices. 70 cts.

Kitchen Magic. A miracle seasoning with a meaty flavor. 68 cts.

Gravy Aid. Makes pale, flat gravies rich, brown and delicious. 50 cts.

Barbecue Sauce. A tantalizing zippy flavor. 28 cts.

Chow Mein Sauce. A perfect soy bean sauce. 24 cts.

Fish Sauce. Perfect contrast for the bland fish flavor. 40 cts.

Mint Sauce. The elusive flavor and aroma of fresh mint. 27 cts.

Mushroom Sauce. For steaks, chops, roasts, and fowl. 34 cts.

Sherry Wine Sauce. An old-world formula. 44 cts.

Steak Sauce. Subtle, smooth flavor—wonderful for steaks and chops. 28 cts.

Worcestershire Sauce. A delicious blend. 32 cts.

French Dressing. Famous chefs bow to this emulsified French Dressing. 25 cts.

Roquefort Dressing. As good as you would make it yourself. 33 cts.

Vinaigrette Dressing. For your finest salads. 31 cts.

Game Dressing a la Chasseur. A delicious piquant sauce. Secret costly blend. 14 oz. bottle \$1.50

On all Foods from our Epicures' Food Mart purchaser pays transportation. When we ship as gifts we will prepay to recipient by Express or Parcel Post, whichever is cheaper, and send notice of charges to sender after shipment is made

Epicures' Food Mart Gift Boxes

For Those in the Service in the U. S.; for Gifts. Just send us your list of recipients and you may count on our shipping your selections promptly

If, due to extraordinary demand or prevailing conditions, certain items cannot be included in assortments, a similar item of equal or greater value will be substituted

The Specialty Cocktail Box "A"—\$10.00



For the sophisticate who enjoys unusual and rare delicacies. The assortment includes:

Antipasto	3½ ozs.
Anchovy Strips	2 ozs.
Filet of Smoked Herring	5 ozs.
Russian Caviar	2 ozs.
Cocktail Onions	8 ozs.
Pheasant Giblet Pate	3½ ozs.
Martini Olives	4 ozs.
Queen Olives	11 ozs.
Smoked Turkey Pate	4 ozs.
Smoked Rainbow Trout Pate	3¾ ozs.
Pate de Foie	6 ozs.
Kipperd Shad	7 ozs.

The Weekend Cocktail Box "B"—\$3.25



Will help to make your hostess party a real success.

Anchovy Paste	2 ozs.
Kipperd Snacks	3¼ ozs.
Acorn Pickles	10 ozs.
Ripe Olives (Black)	8 ozs.
Turkey Pate	4 ozs.
Antipasto	3½ ozs.
Chicken Liver Pate	4 ozs.

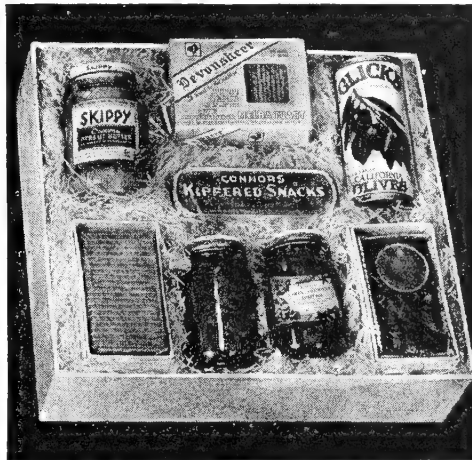
On all Foods from our Epicures' Food Mart purchaser pays transportation. When we ship as gifts we will prepay to recipient by express or parcel post, whichever is cheaper, and send notice of charges to sender after shipment is made.

FOR SOLDIERS and SAILORS

Box 50 and Box 60 are recommended for Boys and Girls in the Service.

They may be delivered to camps IN THE UNITED STATES ONLY.

Military Box No. 50—\$5.25



Here are things the boys in service go for—a nicely balanced assortment of real foods and appetizing sweets. The box contains:

Brandied Fruit Cake	1 lb.
Maple Sugar Brick	1 lb.
Midget Dills	10 ozs.
Black Ripe Olives	8 ozs.
Smoked Kipperd Snacks	3¼ ozs.
Orange Marmalade	1 lb.
Peanut Butter	1 lb.
Melba Toast	3 ozs.

Military Box No. 60—\$7.60



This selection will add zest to his regulation diet and make him think of home. The box contains:

Anchovies Rolled	2 ozs.
Chicken Liver Pate	4 ozs.
Smoked Turkey Pate	4 ozs.
Queen Olives	11 ozs.
Antipasto	3½ ozs.
Russian Caviar	1 oz.
Pate de Foie	6 ozs.
Lobster Meat	6 ozs.
Melba Toast (2)	3 ozs.
Pickles (Moonstones)	10 ozs.
N. H. Watermelon Rind	1 lb.

Jelly and Jam Box No. 70—\$3.85



A perfect substitute for butter, and so tasty with all meals.

Apricot Jam	1 lb.
Buttered Grape Jelly	1 lb.
Guava and Honey Jelly	12 ozs.
Burgundy Plum Preserve	1 lb.
Lingonberry Jam	1 lb.
Mint Jelly	12 ozs.
Orange Marmalade	1 lb.
Plumaide	1 lb.

IN THESE COLLECTIONS

If certain foods become unavailable, we replace with others of equal or greater value.

The Beverage Gift Box No. 80—\$2.60



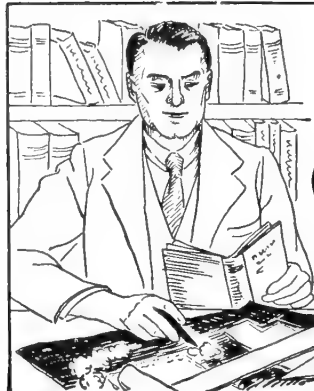
Tuxedo Coffee	1 lb.
Cocoa	¼ lb.
Mint Tea	1 box of 16 Teaballs
S. & W. No. 5, the Finest Orange Pekoe Tea	¼ lb.
Pure Raspberry Syrup	16 ozs.

TO BUSINESS FIRMS . . .

Special Facilities for Handling
Quantity Orders of

Gift Food Boxes

Sent directly to your Employees
or to your Customer List



PLAN
YOUR
GARDENING
WITH THE AID
OF **BOOKS**

Stumpp & Walter Co's Library Department



BOOKS MAILED FREE OF CHARGE AT PRICES GIVEN

A Living from Bees. Pellet. A complete guide to successful bee culture. 301 pages. \$2.

All About Flowering Bulbs. T. A. Weston. 186 pages. \$2.

American Orchid Culture. Prof. E. A. White. 258 pages, 14 color plates, 110 illustrations. Cloth, \$5.

Artificial Manures. Beaumont. Covers the conservation and use of organic matter for soil improvement, including cover-crops and green manures. 146 pages. \$1.50.

Barbecue Book. Sanderson. Full information on barbecuing. Suggests furniture and accessories. Illustrated; 74 pages. \$1.

Book of Annuals. A. C. Hottes. 180 pages. \$1.50.

Book of Perennials. A. C. Hottes. 280 pages. \$2.

Book of Shrubs. A. C. Hottes. 446 pages. \$3.

Book of Trees. A. C. Hottes. 448 pages. \$3.50.

Cabin Plan Book. Dillon. Illustrated chapters on heat, light, water, bunks and beds. Fully illustrated, 64 pages. \$1.

Chrysanthemum and Its Culture. E. A. White. 218 pages. Illustrated. \$2.

Come and Get It. G. Martin. Outdoor cooking and eating ideas that will fit all kinds of gatherings. 183 pages. \$2.50.

Commercial Floriculture. Fritz Bahr. A general review of the florist business. 648 pages. 327 illustrations. \$5.50.

Edible Wild Plants. O. P. Medsger. The first complete handbook of America's wild menu. 324 pages. \$3.50.

Enjoy Your House Plants. Jenkins & Wilson. Complete in every detail. The latest publication on indoor plants. 238 pages. \$2.50.

Evergreens for the Small Place. F. F. Rockwell. 84 pages. \$1.25.

Fertilizers for Greenhouse and Garden Crops. A. Laurie and J. B. Edmond. 156 pages. \$2.

Five Acres and Independence. M. G. Kains. A practical guide to the selection and management of the small farm. 390 pages. \$2.50.

Fruits for the Home Garden. Hedrick. Practical book for the gardener planting fruits for the first time. 162 pages. \$3.

Garden Guide. By 28 Specialists. This can be easily classed as the most popular general garden handbook ever published. 576 pages; 300 illustrations. \$2.

Garden of Gourds. L. H. Bailey. 131 pages. \$2.50.

Garden Flowers in Color. D. J. Foley. A picture-cyclopedia of 350 garden flowers in full-colored illustrations, with descriptions and cultural directions. \$1.98.

Gardening with Herbs for Flavor and Fragrance. Helen M. Fox. Herbs in the garden, over the stove, and in the ice-box described. 334 pages. \$3.50.

Grow Your Own Fruit. M. G. Kains. For the owner of a small place. Suggests varieties of fruits in the confined area. Illustrated. 434 pages. \$3.50.

Handbook of Fertilizers. A. F. Gustafson. Treats source, character and composition of fertilizers, also application for different crops. 172 pages. \$1.75.

Herbs. Helen Webster. How to grow them and use them. New edition. 192 pages. \$1.50.

How to Landscape Your Grounds. L. R. Johnson. Planning and planting the garden and grounds. 232 pages. \$2.75.

1001 Garden Questions Answered. A. C. Hottes. Revised edition. 386 pages. \$2.50.

Just Weeds. E. R. Spencer. Popular book on weeds. Gives their names, their habits, and how to eradicate them. \$2.75.

Little Book of Climbing Plants. A. C. Hottes. 250 pages. \$2.

Magic Gardens. Rosetta E. Clarkson. All about more than 200 herbs; suggestions with charts for culture, planting and recipes. 375 pages. \$3.50.

Magic in Herbs. L. de Sounin. Covers carefully the growing and use of herbs for cooking. 201 pages. \$2.

Modern Dahlia Culture. W. H. Waite. 132 pages. \$1.50.

Modern Mushroom Culture. J. F. Styer. 100 pages. \$1.25.

Modern Farmers Cyclopedia of Agriculture. Wilcox. Culture of every important field, orchard, and garden crop in America. In alphabetical order with complete cross references. 484 pages. \$4.50.

Ornamental American Shrubs. W. R. Van Dersal. The story of early plant exploration in the U.S., and how native plants are superior to imported kinds for average gardens. Authentic lists for each section of the country. Illustrated. \$4.

Our Shade Trees. Ephraim Porter Felt. A simply written textbook and guide for tree-owners. 223 pages. Cloth, \$2.

Peonies. F. F. Rockwell. 70 pages. \$1.25.

Plant Propagation. A. C. Hottes. \$2.

Principles of Flower Arrangement. E. A. White. 200 pages; well illustrated. \$3.

Propagation of Plants. M. G. Kains and L. M. McQuesten. A complete guide for growers of plants by seeds, layers, grafting, and budding; nursery and greenhouse management. 572 pages. \$3.50.

Pruning Manual. L. H. Bailey. 400 pages; 381 illustrations. \$3.50.

Pruning Trees and Shrubs. Felt. Presents in concise form and non-technical language the more important matters in relation to pruning of woody plants. For the individual with few trees or many. 229 pages. \$2.

Spraying, Dusting and Fumigating of Plants. Freeman Mason. 522 pages. \$4.50.

Standard Cyclopedia of Horticulture. L. H. Bailey. Authority on every horticultural question. In 3 volumes, 5000 illustrations. 3637 pages. \$20.

The American Land. Its History and Its Uses. What America was in the beginning and what it is now. The way it is used and the crops it supports and the fascinating stories in back of it all. 205 pages. \$3.75.

Tree Experts Manual. Richard Fenska. A tree manual for home owner, nurseryman, landscape architect, fruit grower, city foresters and teachers. 192 pages. \$4.50.

Tuberous-rooted Begonias. George Otten. 84 pages; illustrated. \$1.25.

Vegetable Gardening in Color. D. J. Foley. A picture encyclopedia of vegetables with 150 full color plates listed in alphabetical order and complete cultural directions. 256 pages. \$2.50.

Vegetable Growing Business. R. L. and J. S. Watts. 501 pages. \$3.50.

Water Gardens and Goldfish. Sawyer & Perkins. 272 pages. \$2.

What Bird is That? Chapman. Identification is easy even for the beginner. Every land bird East of the Rockies (301 species in all) is pictured. 134 pages. \$2.

Winter Flowers in the Sun-heated Pit. Taylor and Gregg. Takes up construction of pit as a winter garden. Also helpful information on the lean-to greenhouse. \$3.50.

Your Garden in the City. Natalie Gomez. Helps you grow things in your backyard or on the roof. 234 pages. \$3.

Aprons, Barrows, Flower Boxes, Baskets, Spreaders, Etc.

Aprons, Garden

Blue Denim. With Bib. \$2.50.

Red Warrior Axe

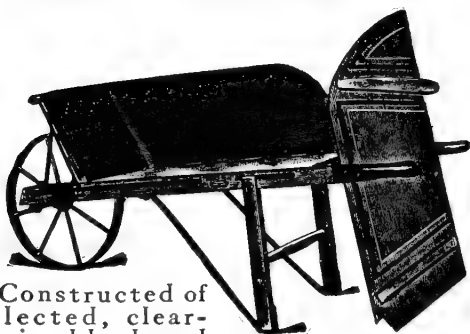


Full ground, full polished, made of fine quality hardened steel. Will stand up under hard usage. Handle 32 inch. Weight 3½ lbs. Head 8 in. long, 3¼ in. wide. \$3.

Boxes for Cut-Flowers

Cardboard, Flower. Lock corners.	Doz.	100
24 x 8 x 5 in. deep	\$3 75	\$22 00
28 x 8 x 5 in. deep	4 50	27 00
36 x 10 x 6 in. deep	7 00	45 00
Corrugated Cardboard. Very heavy and durable; extensively used by florists for shipping cut-flowers.	Doz.	100
28 x 8 x 5 in. deep	\$4 50	\$27 00
30 x 12 x 6 in. deep	6 50	38 00
36 x 12 x 6 in. deep	8 00	48 00
48 x 14 x 8 in. deep	10 00	60 00

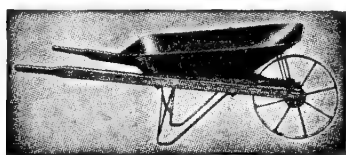
Sawco Garden Barrow



Constructed of selected, clear-grained hard wood and finished in the natural wood, varnished, light and substantial for long service.

No. 5. Front width, 20 in. Box: depth 12 in., length 28 in. Rear width, 24 in. Tread, 3 in. With Steel Wheel. \$11.50.

Sawco Steel Tray Wheelbarrow



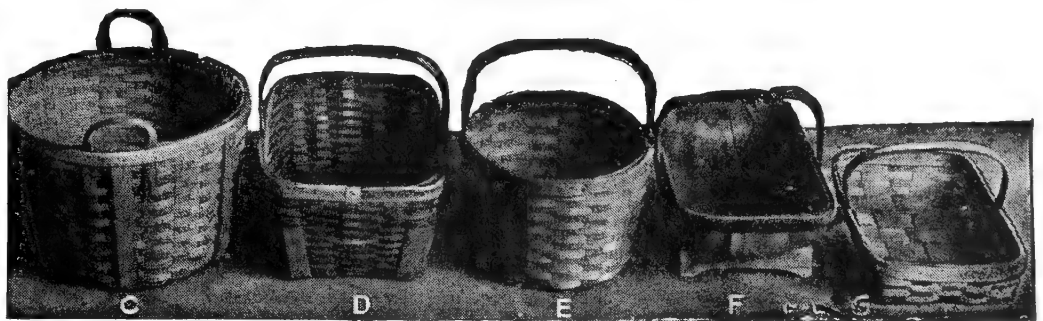
A very handy and well-constructed Barrow for the small garden. Capacity 3 cu. ft. Steel tray 32 x 28 in. Heavy steel legs, wood handles. Steel wheel 16 in. in diameter, 1½-in. tread. Painted red and black. Approximate weight 45 lbs. \$8.50.

Bulb Planter



The tapered cup removes soil and makes a perfect planting-hole in one operation. Junior, 60 cts. each.

Baskets



C. General-Purpose Basket

1-bus. size . . . \$2 50	3-bus. size . . . \$5 00
2-bus. size . . . 3 50	

D. Gardeners' Baskets

20½ x 13½ x 7 in. deep	\$3 00
24 x 15½ x 9 in. deep	3 75

E. Picking Basket

¼-bus. size . . . \$2 00	½-bus. size . . . \$2 50
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F. English Garden Baskets

Out for Duration

G. Flower and Fruit Baskets

13 x 13 x 3½ in. deep	\$1 50
22 x 14 x 3½ in. deep	2 00

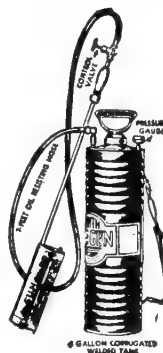
Fruit Baskets

(Not Illustrated) 100 1000

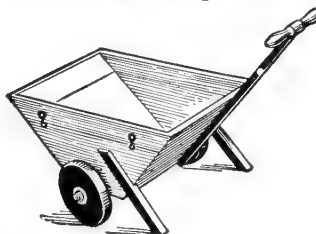
Strawberry. 1-qt. size	\$3 50	\$17 50
Peach. 2-qt. size	4 50	22 50

Sawco Flame Gun

For burning weeds, disinfecting poultry houses, thawing frozen pipes, melting ice and snow, splitting large rocks and boulders, burning tree stumps, sterilizing infected soil, destroying weeds in stone walls, driveways, tennis courts, destroying insect pests such as grasshoppers, locusts, caterpillars, chinch bugs, etc. \$23.50.



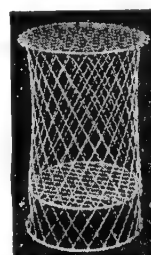
Roll-A-Way Cart



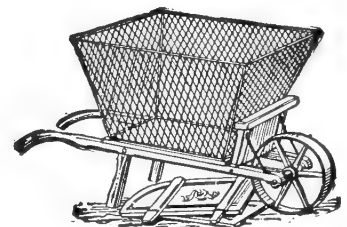
Handy all-purpose Cart for carrying soil and refuse. A joy and help in any garden. Very durable. 30 in. long, 20 in. wide, 12 in. deep. Steel wheels 14 in. in diam., 1¼-in. tread, steel axle, metal tray with wood sides, two steel supporting rests. Capacity 3 cu. ft. \$8.50.

Warren Church Incinerator

Heavily constructed of No. 9 Galvanized Steel Wire. Weight 25 lbs. 19 in. in diameter, 33 in. high. Heavy steel rings support top and bottom. Has raised bottom for easy cleaning and strong cover. \$9.50.

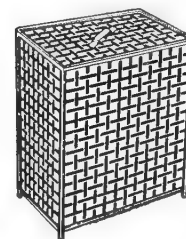


Wire Leaf Rack



A practical device for transporting leaves, cut grass, and litter. Can be attached to any wheelbarrow having removable sides. Made of galvanized wire bolted to a wooden base. Capacity 10 bus. Wheelbarrow and Rack complete, \$23.50. Rack only, \$12.

Hercules Incinerator



Made of 1-inch flat band spring steel, interwoven, insuring a very durable and maximum strength. Incinerator, 24 in. square, 36 in. high, with removable cover. Ideal for burning garden refuse and rubbish that accumulates in the garden or home. Weight 54 lbs. \$19.50.

Sawco Stump Incinerator

A well-made cement composition Incinerator for the home, country, or estate. Height 36 inches, diameter 18 inches. Strong steel grate. Side opening at bottom for draft and to easily remove ashes. Rustic bark finish. \$18.50. Packing charge \$3 extra. Customer pays transportation.



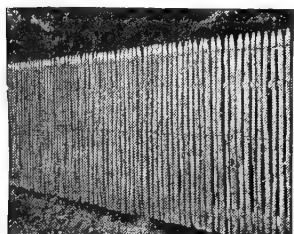


Cultivators, Planet Jr.

NO. 16 SINGLE WHEEL CULTIVATOR.

Consists of 1 pair of 6-in. Hoes, 3 Cultivator Teeth, 1 large Garden Plow, 1 Rake 7 in. wide, 1 Rake 4 in. wide. \$10.25.

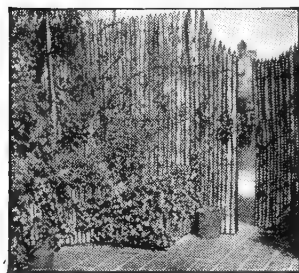
Warren-Church Cedar Fence



Made of split cedar poles spaced $\frac{3}{4}$ inch apart. Furnished in rolls 16 ft. long. Gates to match.

Per lineal ft.	3 1/2 ft. wide Walk-Gates	10 ft. wide Double-Drive-way Gates
3 ft. high.. \$0 85	\$9 75	\$24 00
4 ft. high.. 90	11 50	26 50
5 ft. high.. 1 10	13 50	30 00
6 ft. high.. 1 35	15 00	32 50

Customer pays transportation



Dubois Woven Wood Fence

Made of split chestnut. Comes in sections 5 feet long and five heights. Gates to match.

Dubois Woven Wood Fence in a city penthouse garden	Plain Per lineal ft.	With Posts and Rails Per lineal ft.
3 ft., 10 in. high.....	\$1 50	\$1 75
4 ft., 11 in. high.....	1 85	2 15
6 ft., 6 in. high.....	2 15	2 50
8 ft. high.....	2 75	3 25

	3 ft. wide Walk-Gates	10 ft. wide Drive-Gates
3 ft., 10 in. high.....	\$19 25	\$38 50
4 ft., 11 in. high.....	21 00	41 25
6 ft., 6 in. high.....	23 25	44 00

Customer pays transportation

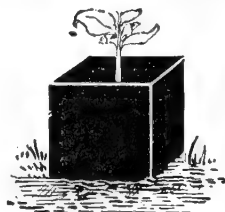
Sawco Garden Gloves



Velvety smooth ivory white leather with gauntlet. Ideal for gardening, motoring and household tasks. Sizes 6, 7 and 8. \$2 per pair.

Horsehide Gloves. Very strong for heavy garden work and pruning. Sizes 10 and 11. \$2.50 per pair.

Cutworm Guards



Strips of black paper treated to protect plants from cutworms. Simply fold and fit into slot to form collar. 35 cts. for 25, 60 cts. for 50, \$1 per 100.

FORKS



Spading Fork

Spading Forks. Best grade; tines spear-pointed with diamond-shaped back; handle strapped both sides. Each

4-tine, D-Handle.....	\$2 50
Manure Forks. Best grade; oval tines.	
4-tine, D-Handle.....	2 50
5-tine, D-Handle.....	2 75
6-tine, D-Handle.....	3 25
Long-Handle Forks, same price.	
Hay Forks. 3-tine, Long Handle.....	2 00

Glazing Materials

Cel-O-Glass. Durable, flexible, and light in weight. Will not crack or break like glass. Transmits ultra-violet rays. Rolls 50 feet long and 36 in. wide. 13 1/2 cts. per sq. ft. Less than rolls, 14 1/2 cts. per sq. ft.

Glass, Double Thick. 50 sq. ft. to box.

10 x 12-in., 60 lights, \$6.75 per box.

Liquid Putty, Sawco. For cementing cracks or seams in roof-joints and frames of greenhouses, sash, etc. Gal. \$3, 5 gals. \$14.

Sawco Glazing Gun. Trigger type. For applying glazing compounds. \$5.50.

Putty Bulb, Sawco. For applying liquid putty. \$1.50.

Greenhouse Shading. Powder form. Use 2 pounds to a gallon of water for either painting or spraying. **White.** 5 lbs. \$1.50, 25 lbs. \$6. **Green.** 5 lbs. \$2, 25 lbs. \$8.

Zinc City Glazing Points. In 5/8, 3/4, and 7/8 in. 1-lb. box 60 cts.

Glass Cutter. 25 cts.

Putty Knife. 35 cts.

Greenhouse White Paint. Full-bodied, long-life White Paint that withstands cold, heat, and humidity. Gal. \$4.25.

Aluminum Paint. High-quality, weather-proof; covers in one coat. For exterior and interior. Pt. 98 cts., gal. \$5.29.



Anti-Corode

New weapon to beat rust. A liquid that can be applied by rubbing, spraying or dipping. Prevents rust on new tools. Pt. 50 cts., qt. 75 cts., gal. \$2.

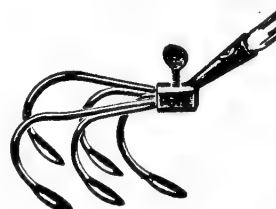


Rust Remover

Removes rust almost instantly on all garden tools. An odorless, non-inflammable liquid, harmless and easy to apply. Pt. 65 cts., qt. \$1, gal. \$2.80.

HOES

Victory Cultivator Hoe



They destroy weeds, leave the soil level, loose, and untrampled. **Long-Handle, 5-prong, \$1.50.**

Beet Hoe



Used for blocking and thinning as well as weeding and hoeing. 7-in. blade. \$1.25.

Bow-Pull Hoe

Suitable for weeding and cultivating beets and potatoes with the easy pulling motion. 7-in. blade. \$1.30.



Double-Duty Cultivator

Cultivate and weed with one tool. 3 prongs, 4 1/4-in. blade. \$1.25.



Draw or Garden Hoe



Each
6 1/2-in. Blade \$1 45

Magic Cultivator



Made of round steel, galvanized, with springy temper. Enters soil very easily. A very handy tool for potted plants and home-garden use. Each

3-tine, Short Handle.....	\$0 25
3-tine, 36-in. Handle.....	45
4-tine, 42-in. Handle.....	75

"Speedy" Cultivator Hoe



The prongs get right down to work, loosening soil and breaking crust. Ideal weeder. 4-prong, \$1.50.

Dibbles or Dibbers



Just the tool for transplanting tomatoes, cabbage, celery, etc.

Steel Point, Wood Handle. Regular size, 9 3/4 in., \$1.

Garden Line

Best Braided Hemp. 100 ft., one length, \$2; 200 ft., one length, \$3.50.

Malleable Iron Reels for above.

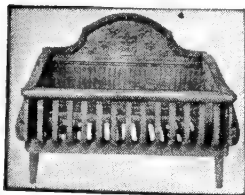
No. 1. Holds 300 ft. \$2.50.
No. 2. Holds 600 ft. \$3.



PROTECT
YOUR

Cellar-Stored Harvest by using All-Metal Air-Drying Unit. Price complete, \$17.95

Sawco Fireplace Grate



A well-made heavy cast-iron Grate. Weighs 50 lbs. Has removable bottom for easy disposal of ashes. 21½ in. wide, 11½ in. front to back, 10½ in. front overall height 16 in.

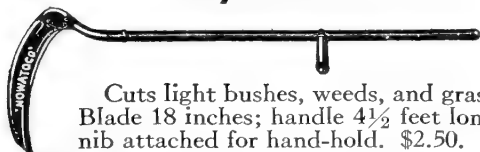
rear overall height. Very useful in the present emergency, should you run short of fuel oil. \$9.40. Customer pays transportation.

Foot Scraper



This little Dachshund Foot Scraper adds a friendly touch to your door. He weighs 30 pounds and is 22 inches overall. Solid cast iron; body velvet black, tongue red. \$8. Packing 50 cts extra. Customer pays transportation.

Scythehook



Cuts light bushes, weeds, and grass. Blade 18 inches; handle 4½ feet long, nib attached for hand-hold. \$2.50.



Bush Hook

Ideal for cutting down saplings and heavy underbrush. \$4.



Grass Hooks

Warren-Church. Good quality. 75 cts. Sawco. Blade forged from razor steel, hollow ground. 1-in. offset. \$1.50. Also can be furnished for left-handed use at same price.

Berry or Thinning Hook



For thinning out berry bushes and shrubbery. Fine for sprouts and suckers. \$1.65.

Grass Scythe



Cutlery steel, natural oil finish, cutting edge, web and backs polished. 28 to 32 in. No selection. \$3 00 Scythe Snath or Handle. The very best, with patent socket. \$3.

Scythe Stones

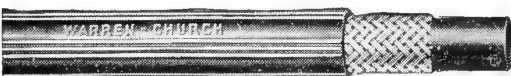


Scythe Stones, Genuine English. Round, tapering. 60 cts. Sawco. 35 cts. each, \$3.50 per doz. Scythe Rifles, Emery-coated. 35 cts. each, \$3.85 per doz.

HOSE



Wayahead. Special heavy duty. Surpasses all the cheaper grades of Hose. A two-braid Hose with a smooth black cover. ¾-in. bore. 50 ft. \$13, 100 ft. \$24.



Warren-Church Garden Hose. The reinforcement consists of one double-braid cord. A light-weight hose. Black in color. ½-in. bore. 25 ft. \$4.25, 50 ft. \$8, 100 ft. \$14.

Spray Hose. High pressure. Good quality. ¾ or ½ in. Maximum pressure 300 lbs., 25 cts. per ft. Maximum pressure 500 lbs., 35 cts. per ft. Extra for fittings.

Hose Holders

Sykes Hose Holder. Made of twisted wire. Rust-resistant. Fits ½-, ⅝-, and ¾-in. hose. 35 cts.

Hose Nozzles



Justrite. Gives a copious spray or full stream. Made of plastic. 75 cts.

Stott's. Gives a very fine mist spray. Splendid for reaching under foliage to exterminate red spider. Single, \$2; double, \$3.50.

Hose Accessories

Siamese Hose Attachment. Permits use of two leads of hose at one time. ¾-in., \$1.50.

Hose Clamps or Bands. ½- and ¾-in. sizes, 15 cts. each, \$1.50 per doz.

Regular Hose Couplings. Easily applied. ½- and ¾-in., 35 cts. each, \$3.50 per doz.

Perfect Clincher Hose Coupler. Self-fastening Coupling that does not require extra bands, bolts, or wire. ½- and ¾-in., 35 cts. each, \$3.50 per doz.

Perfect Clincher Hose Mender. ½- and ¾-in. sizes, 20 cts. each, \$2 per doz.

Gooseneck Swivel. Prevents kinking; turns all ways. 85 cts.

Hose Washers. For ¾-in. hose. 10 cts. per doz.



Evertite Hose Coupling

No threads. No leaks. No kinks.

Instantly applied. Simple, durable, and tight. Can be used on faucet, also between lengths of hose and on lawn sprinklers. Washers countersunk so they won't come out. 60 cts. each, \$6.50 per doz.

Hotkaps

Made of special wax paper, tent-like in shape, 11 inches in diameter at base. Protects plants from frost, retains moisture in soil, and brings crops into earlier maturity.

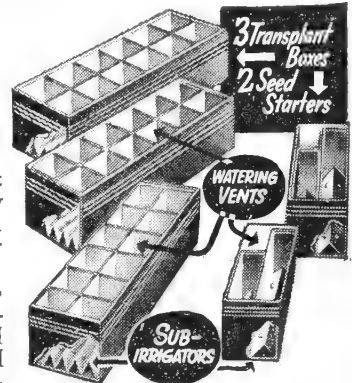
Pkg. of 25, with setter, 75 cts.

Pkg. of 100, with fibreboard setter and tamper, \$2.50.

Pkg. of 1000, with fibreboard setter and tamper, \$12.65.

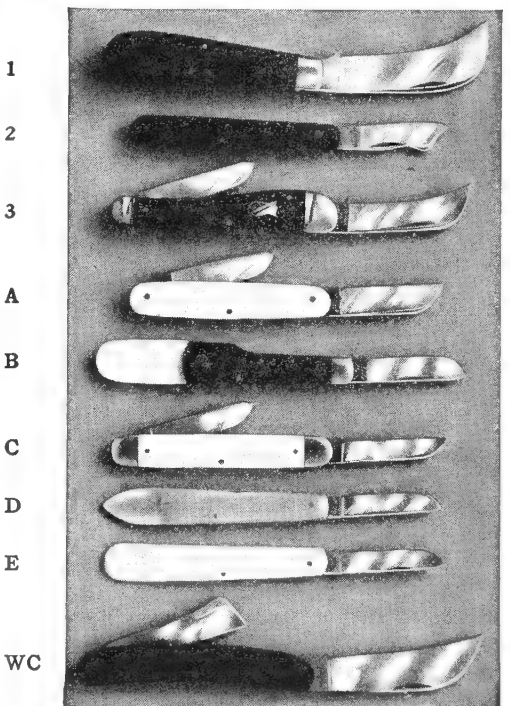


Green Thumb Window Garden



Makes it easy to grow plants from seed on your window-sill. Contains two two-compartment seed starters and three transplant boxes. Capacity approximately 5 to 10 dozen seedlings and 33 potted plants. 79 cts.

KNIVES Budding and Pruning



No. 1. Strong Pruning Blade; Cocoa Handle. Each \$1 75

No. 2. Budding Blade; Smooth Black Handle. Imported. 2 25

No. 3. Pruning and Budding Blades; Patent Stag Handle. 3 00

No. A. Out for duration.

No. B. Budding Blade with Ivory Bud-der; Stag Handle. 2 75

No. C. Two Strong Budding Blades. White Handle. Steel Bolstered. 2 75

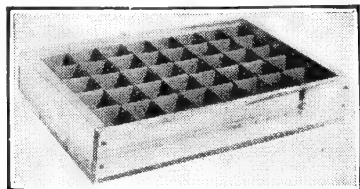
No. D. Aluminum. Out for duration.

No. E. Out for duration.

Warren-Church Budder and Pruner Two Blades; Black Handle; Brass lined. Highest quality. 3 00

LAWN MOWERS. As this Catalogue goes to press, we are advised by the manufacturers that there will be some machines available for early spring delivery. Models and prices to be governed by OPA.

Garden Flats



Made of select cypress. Set-up. Size 12 x 18 x 3 in. deep. 45 cts. each, \$4.95 per doz. Complete with 40 2-inch-square paper pots. 85 cts. each, \$9.35 per doz.

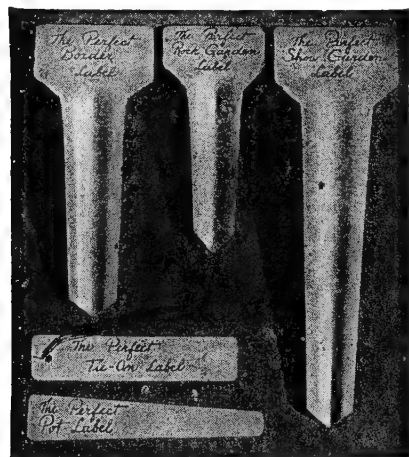
Asparagus Knife



V-Shaped. 45 cts.

LABELS

Perfect Garden Labels



Lead-pencil markings on this Label are permanent without any protection, in all weathers. Markings can be erased with pencil eraser and marked again.

Rock-Garden. Face, $1\frac{3}{4} \times \frac{7}{8}$ inches; length, 4 inches. 90 cts. per doz., \$1.75 for 25, \$6.75 per 100.

Border. Face, 2 x 1 inches; length, 5 inches. \$1 per doz., \$2 for 25, \$7.75 per 100.

Tie-On (with copper wire). Face, $3\frac{1}{2} \times \frac{3}{4}$ inches. 50 cts. per doz., \$1 for 25, \$3 per 100.

Show Garden. Face, $2 \times 1\frac{1}{4}$ inches; length, 7 inches. \$1.25 per doz., \$2.50 for 25, \$9.50 per 100.

Pot, Tapering. Face, $4 \times \frac{3}{4}$ inches. 35 cts. per doz., 70 cts. for 25, \$2.50 per 100.

Pot or Garden Labels

Wooden, Painted.	100	1000
4-in.....	\$0 45	\$2 50
5-in.....	55	2 75
6-in.....	65	3 00
8 x $\frac{7}{8}$ -in.....	1 00	6 00
10 x $\frac{7}{8}$ -in.....	1 50	7 25
12 x $1\frac{1}{8}$ -in.....	1 60	10 50
Wired. $3\frac{1}{2}$ -in. Painted.....	50	3 75
Label Pencils. To write on wood labels. 15 cts. each, \$1.65 per doz.		

Green Weatherproof Labels

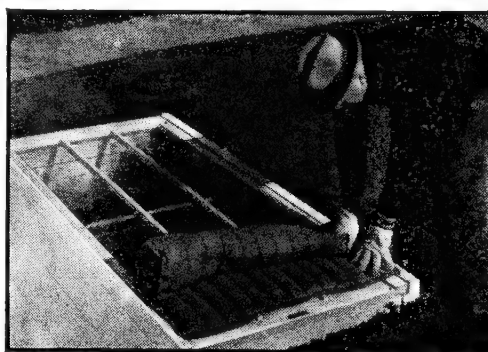


Tie-On. Green Labels easily marked with a sharp-pointed steel stylus which cuts through to the white base. Prices include Copper Wires and Steel Stylus for marking.

	Doz.	100
No. 31. 3 x $\frac{1}{2}$ -in.....	\$0 40	\$2 50
No. 32. 4 x $\frac{3}{4}$ -in.....	60	4 00

Rock-Garden. Same as above. For use where the wired or stake type of Label is not appropriate.

	Doz.	100
No. 51. 4 x $\frac{5}{8}$ -in.....	\$0 45	\$3 00
No. 52. 5 x $\frac{3}{4}$ -in.....	70	4 50



Hotbed Mats

Made of olive-green Raincoat Cloth. Waterproof, rodent-proof and durable.

	Each	Doz.
40 x 80 in.....	\$5 00	\$50 00
80 x 80 in.....	8 00	80 00

Mattocks

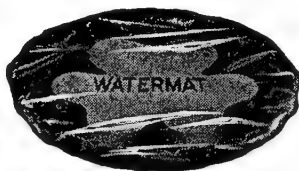


Cutter Mattocks. 6 lbs. Tempered tool steel. Polished edges. With handle, \$2.75.



Pick Mattocks. 6 lbs. Tempered tool steel. Polished ends. With handle, \$2.75.

Watermat

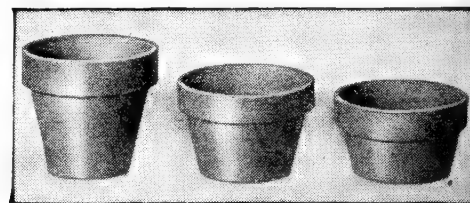


Mats on which to stand flower pots. A compressed organic fibre takes up water by capillary action. Complete with rustproof saucer. Small (fits 4- and 5-in. pots), 35 cts. Medium (fits 5- and 6-in. pots), 40 cts. Large (fits 7- and 8-in. pots), 50 cts.

Paper

Wax, White or Green. 18 x 24 in., ream.....	\$3 00
24 x 36 in., ream.....	4 75
Tissue, White. 24 x 36 in., ream....	4 00
Manila. 24 x 36 in., ream	5 00
Wrapping Paper, Kraft, in rolls. Per roll	
30-in. (approximately 45 lbs.)	\$9 50
36-in. (approximately 54 lbs.)	10 50

Flower Pots, Standard



Flower Azalea Bulb

EARTHENWARE. Best on the market.

On all Clay Pots and Pans, prices are f.o.b. New York. Customer pays extra for packing at cost. Not responsible for breakage.

Diam. at top	Each	Doz.	100	1000
2 in.....	\$0 30	\$1 75	\$15 00	
2 1/2 in.....	35	2 00	17 50	
3 in.....	45	2 75	22 50	
4 in.....	\$0 10	75	4 00	32 50
5 in.....	15	1 10	7 00	57 50
6 in.....	20	1 60	10 00	85 00
7 in.....	30	2 60	16 00	135 00
8 in.....	40	3 20	20 00	190 00

Saucers for Above

Diam. at top	Each	Doz.	100
4 in.....	\$0 05	\$0 50	\$3 50
5 in.....	05	55	4 00
6 in.....	10	90	6 50
7 in.....	10	1 10	8 50
8 in.....	15	1 60	12 00
9 in.....	20	2 00	16 00

Earthenware Bulb Pans

Diam. at top	Each	Doz.	100
6 in.....	\$0 20	\$2 00	\$12 00
7 in.....	25	2 50	17 50
8 in.....	35	3 50	25 00
9 in.....	55	5 50	40 00
10 in.....	75	7 50	50 00
12 in.....	1 35	13 50	100 00

Square Earthenware Pans

Size	Each	Doz.
8 x 8 in.....	\$1 25	\$13 75
12 x 12 in.....	1 75	19 25

Earthenware Azalea Pots

Resemble bulb pans, but deeper.

Diam. at top	Each	Doz.	100
6 in.....	\$0 20	\$2 00	\$12 00
7 in.....	25	2 50	17 50
8 in.....	35	3 50	25 00
9 in.....	55	5 50	40 00
10 in.....	75	7 50	50 00

Square Paper Pots

Made of specially treated Kraft board. Eliminates waste. Come knocked down. 2-in., \$1.25 per 100, \$11 per 1000.

EMERALD FERTILIZER

GROWS GOOD GRASS. For new lawns dig under 50 pounds per 1000 square feet; top-dress existing lawns at half this rate. 100-lb. bag \$6 . . . See Plant-Food Section.

Paper Flower Pots, Neponset

Very economical; waterproof; can be nested closely for shipping.

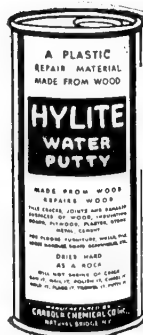
	Red			
Diam.	Doz.	100	1000	
2 1/4 in.....	\$0 20	\$0 80	\$4 50	
2 1/2 in.....	25	85	4 75	
3 in.....	30	1 00	6 00	
4 in.....	50	1 60	9 50	
6 in.....	85	2 85	17 00	

Green Rubber Saucers

Ridge in center permits free flow of water from bottom of pot. Absorbent pad in center releases water to plant when needed.

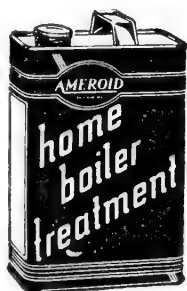
Diam. at bottom	Takes pot	Each	Doz.
1. 4 in.	Up to 6 in.....	\$0 25	\$2 50
2. 6 in.	Up to 8 in.....	45	4 50
3. 8 1/4 in.	Up to 12 in.....	90	9 00
4. 10 1/4 in.	Tubs up to 10 1/4 in. bottom diameter.....	1 35	13 50

Hylite Water Putty



For handy repair jobs around the home. A powder made from wood. Simply add water. Repairs wood, plaster, cement, tile, stone, fibreboard and composition. It can be sawed, nailed, painted, polished, colored and molded. Will not shrink. Sticks where it is put. Dries hard. Use it for cracks and holes in furniture. Set loose handles. Loose screw holes. Set tile. Cracks behind baseboards. Repair boats and mold novelties. Lb. 40 cts., 5 lbs. \$1.85, 50 lbs. \$12.50.

Ameroid Home Boiler Treatment



A liquid easy to use to make your home boiler give you more heat and save fuel. For steam or hot water system. Rusty, oily or dirty water in your boiler does not permit it to function properly. Do away with these conditions and use Ameroid. Quart can is sufficient for the average home up to 10 rooms, approximately 500 sq. ft. radiator surface. Qt. \$1.50.



Chimney Sweep

The modern soot-destroyer. Cleans chimneys, furnaces and flues. Use it in this emergency to conserve fuel by freeing soot from the chimney. Simply spread over fire and Chimney Sweep is ready to destroy soot in your chimney. It penetrates it and quickly disperses it. Non-inflammable; non-explosive. Its regular use will prevent chimney fires. 48-oz. can \$1.; 6-lb. can \$1.89.



For awnings, canopies, cabanas, beach umbrellas, fiber rugs, canvas auto tops, and similar types of fabric where a pliable, sun-fast, canvas paint or preservative is desired. Your choice of colors—Bright Red, Orange, Blue, Green, Black, and White. Will not crack. Does not stiffen canvas. Sun-resistant. Water-repellent. Retards rot and mildew. 1/2 pt. 50 cts., pt. 85 cts., qt. \$1.40, gal. \$5.



Watering Pots

French Oval Pattern.

8-qt. \$9 50
12-qt. 11 50
Extra
Roses ... 1 00

Haw's Pattern.

8-qt. \$9 50 | Extra Roses .. \$1 00
12-qt. 11 50

Plasti-Lino

The new linoleum finish. Water white, crystal clear, will not discolor patterns. Protects and preserves. Dries in one hour. Apply with a brush. Tough and long lasting. Ends waxing. Qt. \$1.65.



Whippet

Instant Fire Extinguisher, powder form. Good for most all fires. Simply dash handfuls of powder at the flames. Easy to use, instant in effect. 2 1/2-lb. container \$2.50.



Half-Moon Edging Knife. Solid steel, with a polished handle. \$1.35.

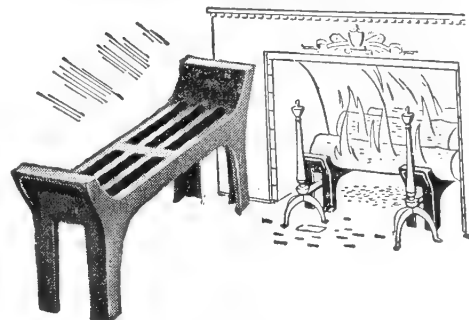
Sowrite Seed Sower

Sows Seeds at a Touch



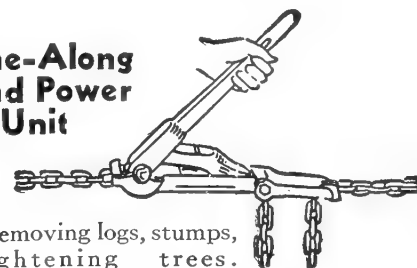
It scatters seeds individually and prevents crowding and choking of the seedlings when coming up. For fine seeds, 75 cts.

Sawco Log Grates



Very useful in this present emergency to have around the home should there be a shortage of fuel-oil. Makes logs burn better. Simplifies laying and care of fire. Keeps logs from rolling. Length 18 inches; fits any fireplace. Makes your fireplace easier to clean. Per pair \$8.50. Customer pays transportation.

Come-Along Hand Power Unit



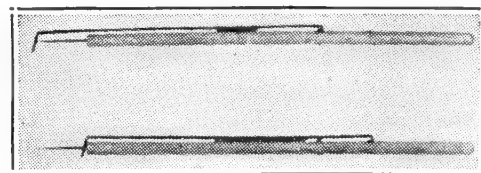
For removing logs, stumps, straightening trees. Equipped with 5 feet of 3/8-inch strong chain. Tested to 6000 pounds. Length of travel 47 inches. Weight 18 pounds. \$12.50.

Air-Wick



Kills odors in the kitchen, bathroom, clothes-closets, bedroom, sickroom and living-room. Brings country freshness to every room in your house at only a cost of one cent per day. 6-oz. bottle 69 cts., 15 1/2-ozs. (economy size) \$1.49.

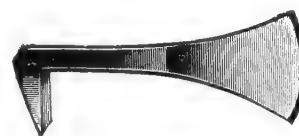
Sanipic



Does efficient work in eliminating all paper and rubbish from lawns, parks, beaches, cemeteries, and golf links. Measures 35 inches long. Pressure of finger discharges waste. 85 cts.

Grafting Chisel

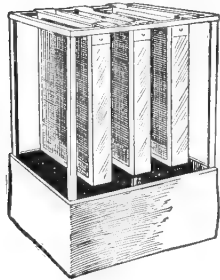
Makes clean splits and does not tear the bark. \$1.25.



Sawco Tree Scraper



A handy tool for removing loose bark that harbors insects. The incurved end takes care of the small grooves, and the broad curve, sharpened on both sides, scrapes the wide, shallow grooves. Spring-steel, forged. \$1.75.

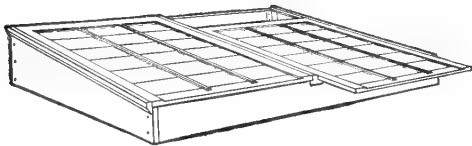


All-Metal Air Drying Unit

Keeps your cellar, victory garden storage room or any damp room free from excessive moisture. Halts rust, mildew, mold; eliminates dampness and mustiness. 18 in. high, 13 in. wide, 13 in. deep. Complete for immediate use with 100 lbs.

of Moisture-Absorbing Crystals—enough for over 6 mos., \$17.95. Additional crystals, \$3 per 100 lbs. Customer pays transportation.

Hotbed Sash and Frames—Glass



Single Light Sash. Standard size, 3 x 6 ft. Made of cypress. \$9.50 each. Customer pays transportation.

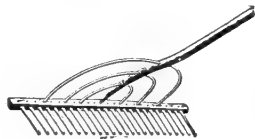
Standard Hotbed Frames. Made of high-quality, selected cypress, free from knots. Back depth of Frame 16 in.; front depth 8 in.

	Dimensions feet	Sashes held	Frame only	Frame and Sash
No. 1.	3 x 6	1	\$12 00	\$21 50
No. 2.	6 x 6	2	15 00	34 00
No. 3.	9 x 6	3	18 00	46 50
No. 4.	12 x 6	4	21 00	59 00
No. 5.	15 x 6	5	24 00	71 50
No. 6.	18 x 6	6	28 00	75 50

Customer pays transportation

RAKES

Wood Hay and Lawn Rake. Made especially with an extra-heavy head for double service.



	Each	Doz.
Hay, 14-tooth.....	\$1 75	\$19 25
Lawn, 28-tooth.....	2 50	27 50



Steel Garden. Cut from one piece of steel; strong and durable. Polished teeth.

14-tooth.....	\$1 35
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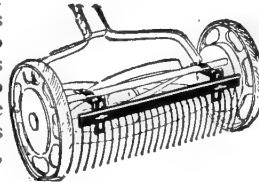
Hardwood Fan Rake

Fitted with polished wooden handle. Cleans the turf as gently as the human hand. Best quality. Reinforced. Each

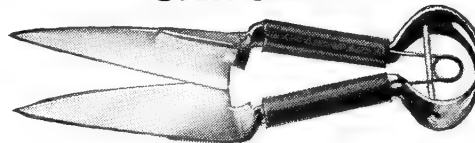
18 in. wide.....	\$1 50
24 in. wide.....	2 00
30 in. wide.....	2 50

Crab Grass Eliminator Rake

Fits any mower from 15 to 19 inches wide. Lifts the Crab Grass and Seed Spikes from the ground so the mower can slice them off. Attaches very easily to mower, \$2.



Grass Shears



Domestic. High-quality tool steel. 6½-in., \$2.50.

Saws



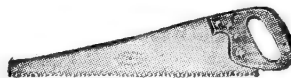
California Curved. Has a very narrow blade with rip teeth. Blade tapers from ¼ inch wide at point to 1½ inches wide at butt. 14-in., \$2.50.



Paragon. The convex edge is toothed for fine cutting, and the opposite edge for coarse work. Blade 2½ inches wide at handle, and 1 inch at point. 20-in., \$2.75.



Sawco. Fitted with new-style Davey handle. 26-in., \$4.50.



Tuttle Tooth. Has extra-sharp teeth that hold their edge longer. 20-in., \$3.50; 24-in., \$4.



Duplex. Toothed on one edge with lightning teeth for extra-heavy, coarse work, and fine teeth on opposite edge for finer cutting. 18-in., \$2.50.

SAWS, continued



Forester. Blade is very stiff and will not bind; tapers from 1¼ inches wide at point to 3¼ inches wide at butt. Extra-large teeth, filed and set. 26-in., \$3.50.



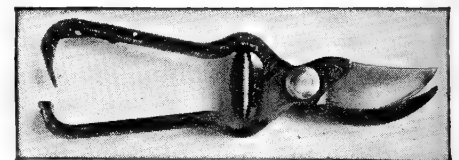
Warren-Church Pole. Blade adjustable to cut at any angle. Casting is hollowed and bored for slipping onto a pole of any desired length. A hook on this casting for dislodging cut limbs. Pole not furnished. 16-in., \$3.50.



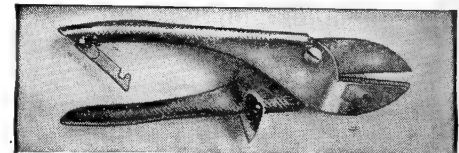
No. 390 One-Man Saw. Has wood saw tittle teeth, properly filed and set, and is fitted with an extra-large grip handle. Furnished in two lengths: 3-ft., \$3.50; 4-ft., \$6.

POLES. For Pole Pruners. Made of selected seasoned wood. 10-ft., \$1.75; 14-ft., \$3; 16-ft., \$4. Customer pays transportation.

Pruning Shears



Sawco Solid Steel. Made of crucible tool steel. Tempered and fully polished. Ratchet nut keeps Shears properly tightened. 8-in., \$3.50; 9-in., \$3.75; 10-in., \$4.



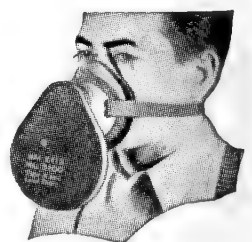
Snapcut. A light-weight Pruning Shear with draw, cut blades. Ladies' size, 6-in., \$2. Men's size, 7¾-in., \$2.50.



California Pattern. Made of fine cutlery steel. Length 8½ in. \$1.75.

Dust Respirator

Approved by the Bureau of Mines for use in conjunction with all types of dusts and sprays including Arsenate of Lead. \$3.



SPRAYING or DUSTING is ESSENTIAL

to produce a good crop. Rotene Liquid Spray, 4 ozs. \$1.
Hortex Dust, lb. 50 cts. Both Non-Poisonous.

Compound-Lever Pruner

Calculated for heavy work and will cut a limb up to 1 1/4 inches in diameter. The compound leverage relieves the strain on the pole. Working parts, being made from forgings, are very strong, without being unnecessarily heavy, and the strength, durability, easy cutting qualities of this tool appeal to all who have occasion to use a strong and powerful Pruner. 10-ft., \$8; 12-ft., \$8.75; 14-ft., \$9.25; 16-ft., \$9.75.

Telephone Tree Pruner (Not illustrated)

A powerful Pruner designed for heavy duty. Will cut branches 1 1/2 inches in diameter. Malleable Iron lever with pulley—rope pull. Flat steel coil spring. Price, head only, without pole and rope.

Junior Model. For light work.....\$4 00
Senior Model. For heavy work..... 6 00

Waters Tree Pruner

A very good Tree Pruner at a low price. The blade is made of high carbon tool-steel accurately ground to cut perfectly true. Hook also made of carbon steel.

10-ft.\$3 75
12-ft. 4 00
Extra Knives, 40 cts.

Sieves

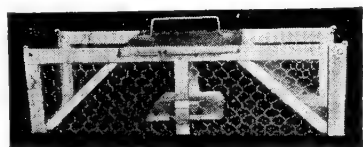
For covering newly sown seed there is no better way than to riddle on to it a very light covering of soil. Galvanized. 20 inches in diameter. 1/8-inch mesh. \$2.50.

Grape-thinning Shears



Excellent for trimming grape-vines and many other plants. Made of high-grade cutlery steel, chrome plated. 7 in. long. \$3.

Havahart Animal Trap



Made of steel and screened wire. Very easy to set. Harmless to animals and humans. 7 x 7 x 24 in. (for Muskrats, Mink, Rats, Chipmunks, Weasels, Squirrels, Rabbits), \$4. 11 x 11 x 36 in. (for Woodchuck, Raccoon, Opossum, Cats), \$8.75.

Tree Wrap

A waterproof crinkled paper 4 in. wide, 155 ft. to the roll. Protects the trunks of newly planted fruit and shade trees against frosts, sun-scald, borer attack and rodents. Adjusts itself to the contour of tree trunks and expands to accommodate growth. Roll 75 cts., 10 rolls \$6.50, 20 rolls \$11.

Shovels



Sawco Shovels. Good reliable grade.

Square Point, D-Handle.....\$2 75
Round Point, D-Handle..... 2 75
Long-Handle Shovels, same price.

Spades



Sawco Spades. Dependable quality.

D-Handle.....\$2 75

Sudbury Soil-testing Outfits

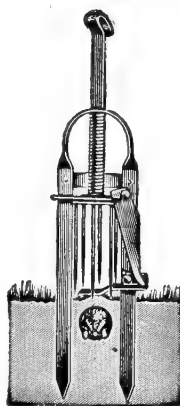


De Luxe Kit

Tests for nitrogen, phosphorus, potash, and acidity.

Home Garden Kit. (Four tests)\$2 00
Club Kit. (Makes 10 tests)..... 4 75
Horticultural Kit. (Makes 60 tests). 9 75
De Luxe Kit. (Makes 200 tests)22 50

Victor Mole Trap



A spear type which harpoons the mole, causing instant death. Six prongs. 16 3/4 in. extreme length. \$1.25.

Japanese Beetle Trap

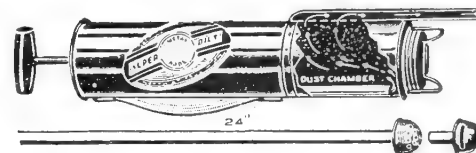


Type 4. Most recent Trap developed. Especially suitable for large homes and estates. Rust-resisting, galvanized steel, enameled green and white. Complete with can of bait (no jar) \$1.85. Extra can of bait 75 cts.

Torches

Asbestos. Attach the Torch to the end of a pole, saturate with kerosene oil, light, and hold under the caterpillars' nests, passing quickly along the branches and around the trunk of the tree. Without pole, 60 cts.

Sawco Dust Gun



For dusting Hortex, Tobacco Dust, Hellebore, Paris Green, Arsenate of Lead, Powdered Sulphur. Capacity 12 ounces. \$1.75.

Sawco Paragon Duster



Duster is constructed of heavy lead-coated steel. Powerful air-blast breaks up powder into uniform fine dust.

Senior Size. Capacity 5 to 10 pounds, depending on powder used. \$16.50.

Woodason's Bellows



For dusting plants with dry powders.

Single Cone. Small size \$4.50; large size \$6.
Double Cone. Larger capacity. \$7.50.

Rubber Plant Sprays

Used for watering plants and washing the foliage.

Sawco. Straight-neck. 12-oz. \$1.50.



Sawco Compressed-Air Sprayer



The most perfect small hand Compressed-air Sprayer made. Delivers a continuous fog-like spray. Is fitted with straight and adjustable nozzles making a perfect under-leaf sprayer. Holds 1 qt. Sturdy construction. Wonderful performance.

Steel Pump and Glass Tank.....\$2 50
All Tin (not illustrated) 1 50

WRITE FOR A FREE COPY OF OUR
SPRAY GUIDE

Sawco Tank Sprayer



An excellent Compressed-air Sprayer especially adapted for spraying around the home, garden, stable, and poultry-house.

Tank made of galvanized steel and lined with special non-corrosive coating to guarantee long life. Double riveted to ensure maximum strength.

No. 4-D. Galvanized Tank with equipment as above or similar Model, same high quality. Capacity 4 gals. \$8.

Extras for Sawco Tank Sprayer

Auto-Pop Nozzle only.....	\$0 75
24-in. Brass Extension.....	80
36-in. Brass Extension.....	1 25
Auto-Pop Nozzle complete with Shut-off and Rubber Hose.....	2 75
Shut-off without Nozzle and Hose....	1 25
Leather Cup Washer.....	15
Hose only, 3/8-in..... Per ft...	25
Bordo Nozzle.....	1 00

Harco Sprayer

A very handy and useful small Sprayer for house-plants and small gardens. Develops a fine, fog-like spray to a distance of 15 feet. Glass jar, 1 quart capacity. One hand pumps and the other directs spray. \$2.45.



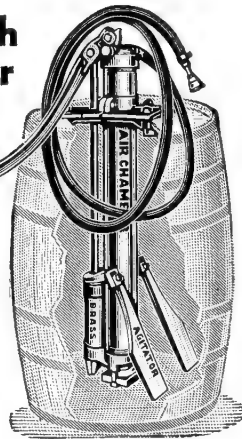
Sawco Knapsack Sprayer



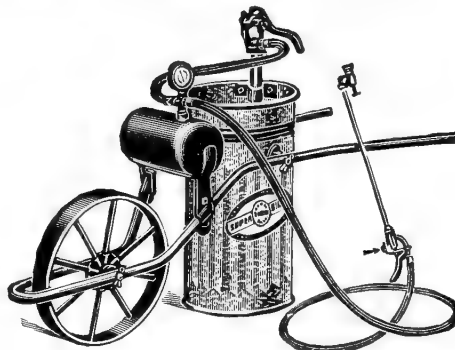
Maintains continuous high pressure. Equipped with best-grade, high-pressure Hose, 2-foot Extension Pipe with adjustable swivel, and Non-clog Automatic Shutoff Nozzle. Capacity, 5 gals. Has form-fitting ventilated tank keeping back dry and comfortable. Carrying Handle and Solid Brass Pump with Agitator. Galvanized tank. \$22.50.

Warren-Church Barrel Sprayer

A high-grade, powerful, well-built barrel pump of 50 gallons capacity. Ideal for spraying orchards, vineyards, garden crops, also for whitewash and cold-water paints. Height 38 in. Brass pump cylinder 4 3/4 in. diam. Develops 300 lbs. pressure, 3 1/2 gals. per minute. Paddle type agitators. 12 1/2-ft. hose and brass non-clog nozzle. \$29—without barrel. Customer pays transportation.



Sawco Wheelbarrow Sprayer



An efficient portable spraying outfit, designed for shrubbery, garden truck, vineyards, and small orchards; also for spraying whitewash and disinfectants. 12-gal. galvanized tank. Pump has dasher agitator. Steel frame with 16-in. steel wheel, 2-in. tread. Pressure tank 6 3/4-in. diameter, 12 in. long, fitted with pressure gauge. Develops 150 lbs. pressure. Equipped with 6 ft. of 3/8-in. pressure hose, automatic shutoff, trigger lock, 2-ft. extension rod, and Vermorel nozzle. \$26.50.

Soil-Soaker Hose

Now you may use the same successful deep-soaking method employed by big commercial irrigators. Made of porous canvas, 2 inches in diameter. Water seeps through pores; no spray. Equipped with regular hose connection for attaching to hose or pipe. 18 ft., \$2; 30 ft., \$3; 50 ft., \$4.75.

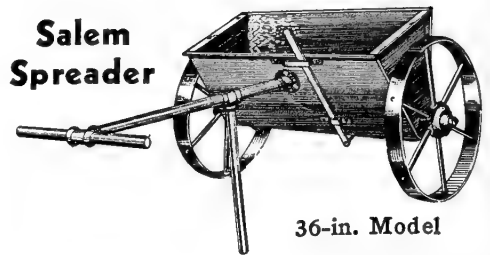


Holland Rotary Sprinkler



Has the principle of the Double Rotary Sprinkler with whirling wheel distributing water like a gentle shower over an area up to 30 feet in diameter, according to water pressure. Even uniform coverage. Only one moving part. Needs no oiling; has nothing to wear out. \$1.50.

Salem Spreader

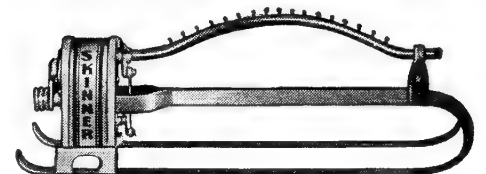


36-in. Model

From the small lawn to the large estate you will find this machine very handy and economical. It has many uses—fertilizing, seeding, top-dressing. Also invaluable for spreading salt, sand, and ashes on icy sidewalks and street crossings. Avoids messiness, drudgery, waste, and uncertainty of hand spreading.

16 in. wide (capacity 22 lbs.).....	\$4 75
20 in. wide (capacity 40 lbs.).....	8 45
30 in. wide (capacity 80 lbs.).....	14 95
36 in. wide (capacity 125 lbs.).....	27 50

Spray Wave



An oscillating fan of spray covering 50 x 40 feet, with an adjustable length of travel and variable speed. Complete on skid, 3/4-in. hose connection. \$22.50.

Plant Stakes, Cane

American Bamboo, Dyed Green. For staking gladiolus, annual flowers, etc., in the garden. Uniform pencil thickness.

100	1000	100	1000
2-ft..\$1 25	\$9 00	4-ft...\$2 25	\$16 50
3-ft.. 1 75	12 50	5-ft... 2 75	19 50

Chinese Bamboo, Natural. For sweet peas, chrysanthemums, and other greenhouse plants.

10-ft.....	\$6 50
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Bamboo Tonkin Canes. Natural. 5/8 to 3/4 in. diam.

25	100
4 ft.....	\$2 00
5 ft.....	3 00
6 ft.....	4 00

Plant Stakes, Wood

Plant Stakes, Green—1/2 in. in diameter.

Doz. 100	Doz. 100
3-ft..\$0 65	\$3 75
4-ft.	\$0 85
5-ft.x 1 1/4 in.	1 25

Square Stakes, Green. Doz. 100

4 ft. x 3/8 in.....	\$1 75
5 ft. x 3/8 in.....	2 25
6 ft. x 3/8 in.....	2 75
7 ft. x 1 in.....	3 25

Bean Poles (with bark on). 8 feet long; 2 to 2 1/2-inch butt. Also ideal for supporting blackberries, raspberries, boysenberries, etc. 35 cts. each, \$3.50 per doz. Customer pays transportation.

Cedar Poles (with bark off). 5 to 5 1/2 inches in diameter, for supporting grape-arbors, wisteria, and other heavy-caned plants. Up to 12 ft. in length. 30 cts. per ft. Customer pays transportation.

Trowels



Warren-Church. One piece. Made of stamped steel. Metal handle. 6 in. 35 cts.

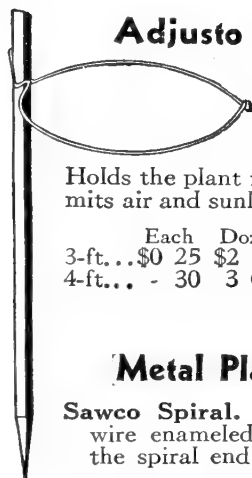
When you stake your Tomatoes, **PLANT-TWISTS**, made of wire which bends easily; fasten them with **50 cts. per 100** plant is protected by soft fibers.

Bio-Seal Hygienic Hand Cleaner

Removes dirt, grime, ink, paint, and grease in a jiffy. Penetrates pores of skin without irritating it. Contains no harsh mineral abrasives; leaves hands soft, smooth, and velvety. A few twists and rubs will make all dirt and stains disappear. 12-oz. can, several months' supply, 50 cts., postpaid 65 cts.



Adjusto Plant Supports



Sturdy hardwood stakes, $\frac{1}{8}$ -inch square, with a strong wire support instantly adjustable to any height. Holds the plant firmly together, yet admits air and sunlight.

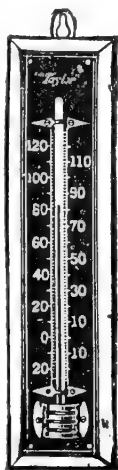
	Each	Doz.		Each	Doz.
3-ft.	\$0 25	\$2 50	5-ft.	\$0 35	\$3 50
4-ft.	30	3 00	6-ft.	40	4 00

Metal Plant Supports

Sawco Spiral. Made of galvanized wire enameled green. A twist curls the spiral end to stalk of plant.

	Doz.	100		Doz.	100
3 ft.	\$1 00	\$7 00	4 ft.	\$1 25	\$9 00

Thermometers

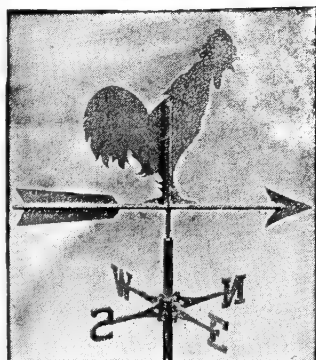


No. 5448, Self-registering. (Siege's Pattern.) Plastic case, white figures. **Maximum** and **Minimum.** 10-in., \$9, with magnet.

No. 5400. Black tin case; brass scale, white figures. (Mercury.) Range, 40 degrees below zero to 120 above. 12 in., \$3.

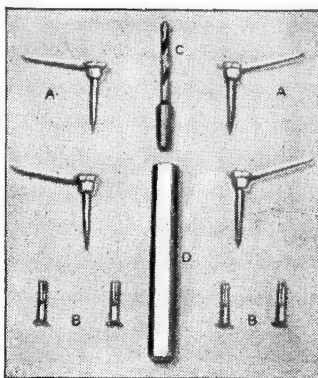
No. 5127-S. Finished white enamel. Black figures make it easy to read at a distance. Temperature from 20 below to 120 degrees Fahrenheit. (Spirit) 8-in., \$1.10.

Rooster Weather Vane



Non-corrosive metal finished in black, complete with floor flange. Overall height 31 in. Arrow 18 in. long; direction pointers 12 in. across, $2\frac{1}{4}$ -in. letters. Your choice of Rooster (as illustrated) Duck, or Sailboat. \$16.50.

Vyn-Tach Hooks



Attach your climbing roses and other vines to masonry or wooden surfaces.

Vyn-Tach Hooks for Masonry. Complete set of 25 Hooks, 25 Shells with Drill and Drill-holder, \$2.25. Complete Set of 100, \$6.50.

Without Drill and Drill-holder, \$1.75 for 25, \$5.50 per 100.

Vyn-Tach Hooks for Wood. 25 Vyn-Tach Hooks, \$1.25; 100 Hooks, \$4.50.



Celery-bleaching Tubes

The Handler is placed around the celery plant, the tube is slipped in place and the Handler removed.

	Doz.	100	500
14 in. high.	\$0 75	\$4 50	\$18 50

Handlers for use in placing tubes: Brass, \$3; Tin, \$1.

U-Mix-It

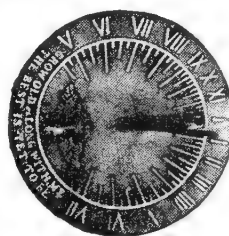
A pulverized high-melting-point asphalt blended with Gilsonite. Mixed with stone accumulated in the garden, it will make a permanent garden path. Simply mix material with sand and white gasoline. Five pounds will cover 15 to 20 square feet $\frac{1}{4}$ inch thick. 5 lbs. 75 cts., 15 lbs. \$1.50, 100 lbs. \$8.

Sundials

No. 226. 11 in. in diameter. With inscription: "Grow Old Along With Me The Best Is Yet To Be." \$13.50.

No. 258. (Not illustrated.) 8 in. in diameter. Plain, with no inscription. \$8.50

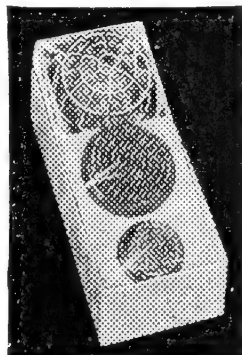
Pedestal for either of the above Sundials, \$12.75 each.



Flower Holder Set

No. 3221

Guaranteed never to tip; made of non-corrosive metal. Contains 2 Pin-Type holders $1\frac{1}{2}$ in. and $2\frac{1}{4}$ in. in diameter and 1 Dome-Type holder $2\frac{1}{2}$ in. in diameter. Attractively displayed in gift box. \$1.25.



Green Iron Flower Vases

	Height	Top Diam.	Each	Doz.
No. 1.	10 in.	4 $\frac{3}{4}$ in.	\$0 65	\$6 50
No. 2.	12 in.	6 $\frac{1}{2}$ in.	75	7 50
No. 3.	13 $\frac{1}{2}$ in.	6 $\frac{1}{2}$ in.	85	8 50
No. 4.	15 in.	6 $\frac{1}{2}$ in.	90	9 00

Twines, Tape, and Raffia

Silkalene. F, fine; FF, medium; and FFF, coarse. Spool 40 cts., box of 8 spools \$3.

Green Tying Tape. Cotton, $\frac{1}{4}$ inch wide. Strong. Non-injurious to plants. Spool of 72 yds., 35 cts. each, \$3.85 per doz.

Bouquet Twine. White. $2\frac{3}{4}$ -oz. ball 20 cts., lb. \$1, 5 lbs. \$4.75.

Twine, Soft Jute. For tying vines, etc., without danger of bruising. Very strong; 3-ply. **Natural.** $\frac{1}{2}$ -lb. ball 40 cts., 3 balls \$1.10, 12 balls \$3.50. **Green.** $\frac{1}{2}$ lb. ball 50 cts., 3 balls \$1.40, 12 balls \$5.

Tarred Yarn. Excellent, low-priced material for raspberries, shrubs, etc. Ball (1 lb.) 50 cts., 5 balls \$2.25.

Raffia, Natural. For tying plants. $\frac{1}{2}$ lb. 40 cts., lb. 65 cts., 5 lbs. \$3.

Dyed Green. $\frac{1}{2}$ lb. 75 cts., lb. \$1.25.



Plant-Twists. Dyed green. Non-injurious to plants. A simple twist of the hand and the plant will stand. 7 inches long, 15 cts. for 25; 50 cts. per 100. 12 inches long, 30 cts. for 25; \$1 per 100.

Wire, Annealed. No. 22. In 12-lb. coils. \$4.50 per coil.

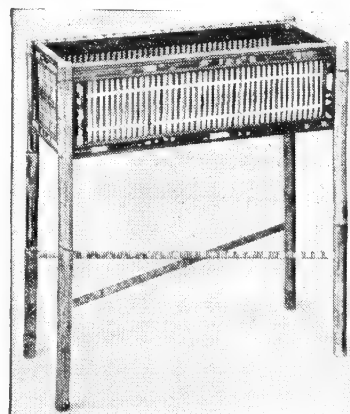
Weed Destroyer



Noxweed Cane

End Section
Made of tubular brass. Holds about 6 ounces of liquid. Ejects a fluid by drops from needle point that will destroy Dandelions, Plantains, and many other weeds. Simply press point of gun into the crown of weed lightly. Gun is easily filled with Noxweed Liquid by pouring into the tube at the top of cane, and replacing cap. No stooping, no digging, no holes in the lawn. Gun complete with 1 qt. Liquid, \$2.50. Extra Liquid, 85 cts. per qt.

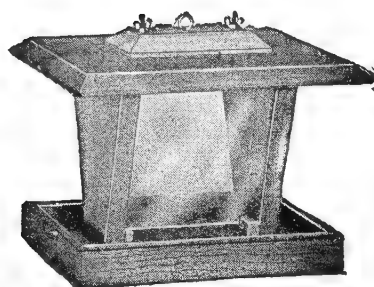
Bamboo Fernery for House Plants



Attractive natural Bamboo throughout, ruggedly constructed. Tin pan, with rings for easy lifting out. 28 in. long, 11 in. wide, $7\frac{1}{2}$ in. deep, 30 in. overall height. \$7.50. Packing \$1 extra. Customer pays transportation.

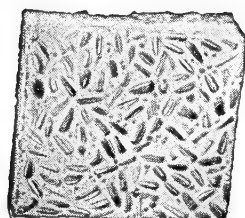
SAWCO BIRD FOOD AND FEEDERS

No. 755 Seed Feeder



Made of California redwood. Glass on both sides of hopper. Holds about 3 pounds of Wild Bird Seed. 12-in. wide, 9 in. high, 7½ in. deep. Easily refilled by removing two thumb-screws at top. Handy eyehook for hanging. \$2.25.

Sawco Suet Cakes



A well-balanced bird-food of seeds, berries and fruit especially adapted to wild life, molded into pure wholesome beef suet. During the cold winter days and when ground is covered with snow many birds suffer and die. Place one of these Suet Cakes with holders and

feeders mentioned here on tree trunks, window-sills or any other place to which birds have access. 35 cts. each, 4 for \$1.25.

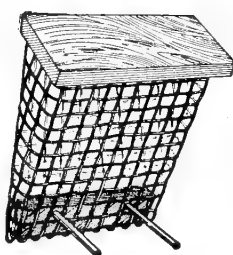
Wild Bird Seeds

One of the finest mixtures of seeds and food ingredients for wild life. Lb. 25 cts., 5 lbs. \$1, 25 lbs. \$4.50, 100 lbs. \$16.



Rustic Bird Bath

Reinforced cement composition, natural rustic finish. Large compartment for water; smaller compartments for food. A decorative addition to any garden. Diameter of bowl 20 in.; height 31 in.; weight 75 lbs. \$11.50. Crating \$3.50 extra. Customer pays transportation.



No. 114-A Wire Holder

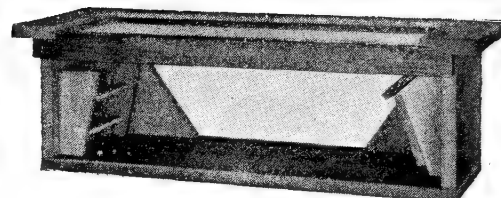
For suet and Wild Bird Cakes. Painted green to resist rust, and paraffin-coated to protect the birds from direct contact with the metal during cold weather. Has 2 wooden perches and cover made of cedar. 45 cts. each, 3 for \$1.25.

No. 721

Sawco Peanut Butter Balls

A complete bird-food, containing vitamins, carbohydrates, proteins, etc. May be hung from branch or limb of tree or at your window where you may note in detail plumage and action of your feathered visitors. Set of four with attachment \$1.25.

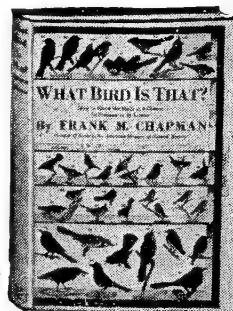
No. 712 Sawco Window Feeder



Designed with a glass roof to encourage a closer observation and study of our winter birds. It is admirable for shut-ins where long hours of the day may be spent pleasantly in watching the birds. 24 in. long, 9 in. high, 8 in. deep. Made of selected California redwood. \$4.75.

What Bird Is That?

By F. M. CHAPMAN

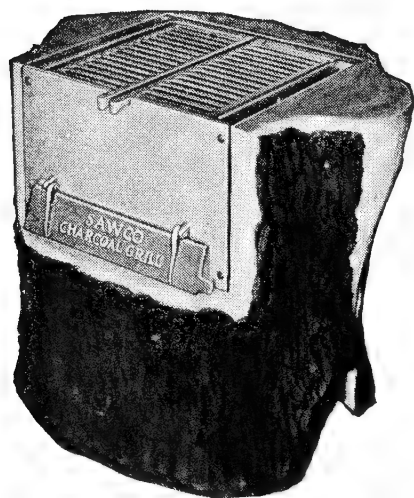


Here is a unique bird book. It not only shows the color and chief markings but also has the birds arranged according to season.

Identification of the birds is easy, even for the beginner. Every land bird east of the Rocky Mountains (301 species in all) is pictured. Every lover of birds should have this book. 134 pages. \$2.

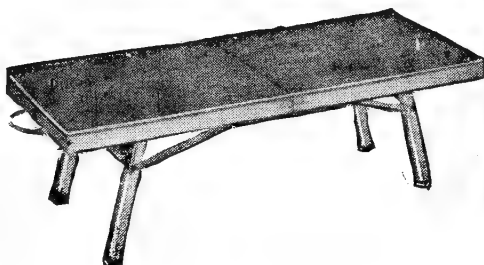
OUTDOOR SUGGESTIONS

Sawco Charcoal Grill



For parks, home-gardens, camps, clubs, and public picnic grounds. Ideal for perfect broiling of fish, steaks, chops, game, and fowl on the conveniently spaced bars of the Grill. Will serve up to twenty people very quickly. Grill made entirely of fine gray stove cast iron. Completely built into reinforced concrete natural-effect stump. Cooking surface 15 x 15 in. Both grates swing open for easy feeding of extra charcoal or cleaning out. Overall dimensions of Grill without stump, 18 in. wide, 17 in. deep, 11 in. high. Net weight, Grill and stump, 200 lbs. Sold as a complete unit only \$47.50. Crating \$5 extra. Customer pays transportation.

Sawco Portable Picnic Table



For woods or the beaches; take it along with your outdoor grill. Completely collapsible. Light and easy to carry. Folded, 15 x 16 x 2½ in. Open, 16 x 34 in. 11¼ in. high. Masonite top. Off the ground, away from dirt, sand and crawling things of nature. \$4.95.

Ford Charcoal Briquets



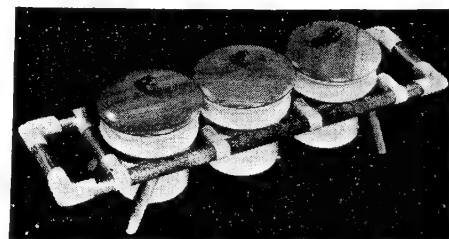
Charcoal in its purest form. Compact, pillow-shaped bricks manufactured under tremendous pressure. Even lighting; hottest burning. No sparks or flames; leaves no ash. 20-lb. bag, \$1.25. (Customer pays transportation.)

Double Server



A practical and handy device for serving your guests outdoors. Keeps food hot or cold. Measures 19 in. long, 7 in. wide and 5 in. high overall. The two crocks are made of kiln-dried ivory-white clay and each measures 5½ in. in diameter and 6 in. high. Covers are made of finished maple. Holder is made throughout of wood 1 in. in diameter, dark oak stained, with reinforced corners and centers of rattan ¼ in. wide. \$8.50.

Triple Server



Similar to the double server described above except that it has three crocks each measuring 5½ in. in diameter and 6 in. high. Overall measurements, 25 in. long, 7 in. wide, and 5 in. high. \$11.50.

SAWCO SPECIAL PLANT-FOODS

Note. Fertilizers over \$3 in value are delivered free within 50 miles of New York City.

EMERALD GRASS FERTILIZER. A well-balanced organic plant-food for fine lawns. Use 4 pounds per 100 square feet or 1750 pounds per acre on existing lawns and double these quantities for new work. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

ROSE FOOD. Combines plant-food and ingredients to control most root-pests. Dust fairly light around plants and work into soil. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

GENERAL GARDEN FERTILIZER. Use 5 pounds per 100-foot row of vegetables once monthly or 5 pounds per 100 square feet broadcasted on flowers and fruits. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

DAHLIA FOOD. Specially prepared for dahlias and other tuberous-rooted plants. Mix handful with soil before setting tubers and make several top-dressings during the season. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

SAWCONURE. All organic. Spent Peat Moss and Chicken Manure. Air-dried. In preparing new land use 5 pounds per 100 square feet and for existing lawns and top-dressing 2½ pounds per 100 square feet. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$20, 1000 lbs. \$37.50, ton \$70.

ACIDULOUS FERTILIZER. A plant-food and soil-acidifier for rhododendrons, azaleas, laurel and other acid-loving plants. Use ½ pound to the square yard and work very lightly into soil. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 50 lbs. \$4.50, 100 lbs. \$8, 500 lbs. \$35.

The Treewiz Cartridge

A slowly available, high-analysis tree-food in cartridge form for restoring weakened trees and shrubs to their natural healthy state. **Carton** (4 large tree-food cartridges) for shade and fruit trees, \$1; \$20 per 100 cartridges. **Carton** (8 small tree-food cartridges) for evergreens and shrubs, \$1; \$9.50 per 100 cartridges. Also in bulk. 5 lbs. \$1, 10 lbs. \$1.50, 25 lbs. \$3, 50 lbs. \$5, 100 lbs. \$8, 500 lbs. \$35.

FERTILIZERS, MANURES, SOIL INGREDIENTS

Adco. Add it to garden refuse, leaves, grass clippings to make manure. 7½ lbs. \$1, 25 lbs. \$2.25, 150 lbs. \$10.50.

Aluminum Sulphate. Makes soil acid. Use 1 pound per square yard. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6.

Ashes, Hardwood. Furnish potash. Use 10 pounds per 100-foot row of vegetables. 5 lbs. 75 cts., 25 lbs. \$2, 100 lbs. \$5, barrel (about 200 lbs.) \$8.

Blood, Dried. High in organic nitrogen. 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$5, 100 lbs. \$15.

Bonemeal. For vegetables and flowers. Use 5 pounds per 100 square feet, 2000 lbs. per acre. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

Bone, Vineyard. ¼ to ½-inch pieces. For grape-vines and fruit trees. 25 lbs. \$3, 100 lbs. \$8.

Cattle Manure, Shredded. Soil-builder and mulch. 50 lbs. \$3.50, 100 lbs. \$6, 500 lbs. \$27.50.

Charcoal. Sweetens and lightens sour and heavy land. Use 5 pounds per 100 square feet. 50 lbs. \$4.50, 100 lbs. \$8.50, 500 lbs. \$35.00.

Fertera. Plant-food in tablets for pot-plants. Contains 13% Nitrogen, 17% Phosphoric Acid, 22% Potash. 100 tablets 75 cts., 1000 tablets \$3.50.

Floralife. Makes cut-flowers stay fresh. Pkt. 35 cts.

Horn Dust. Rich in ammonia. For potting. 100 lbs. \$7.

Kem. Complete liquid plant-food. Use 1 tablespoonful to 2 quarts of water. Qt. 60 cts., gal. \$1.25.

Lime, Agricultural Hydrated. Sweetens the soil. Use 5 pounds per 100 square feet, 2150 pounds per acre. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$3.50, 500 lbs. \$15, ton \$32.50.

Limestone, Pulverized. 10 lbs. 50 cts., 80-lb. bag \$2.50, 6 bags \$10, ton \$25.

Muriate of Potash. For potatoes and root-crops. Use 1½ pounds per 100 square feet. 5 lbs. 75 cts., 25 lbs. \$2, 100 lbs. \$3.65.

Nitrate of Soda. Nitrogen in immediately available form for lettuce and other leafy vegetables. Use 1 ounce to a gallon of water as liquid or 1½ ounces to a square yard dry. Lb. 25 cts., 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6.

Nitragin. Nitrogen-fixing bacteria.

A. For Alfalfa, Sweet Clover, Hubam Clover. 1-bus. size 50 cts., 2½ bus. \$1.

B. For Medium, Mammoth Red, Alsike, Crimson and White Clovers. 1-bus. size 50 cts., 2½ bus. \$1.

C. All vetches, Canadian, Garden and Sweet Peas. 1 Unit (treats up to 100 lbs.) 50 cts.

D. Beans, String, Snap, Wax and Scarlet Runner. 1-bus. size 35 cts.

E. Cowpeas, Limas, Peanuts and Alyce Clover. 1 Unit (treats up to 120 lbs.) 30 cts.

L. Lespedeza, all varieties. 1 Unit (treats up to 100 lbs.) 50 cts.

S. Soybeans, all varieties. 1 Unit (treats up to 120 lbs.) 30 cts., 5-bus. size 55 cts.

G. Garden Size for Peas, Sweet Peas, Beans, Limas and Lupines. One Unit will inoculate up to 8 lbs. Pkg. of 3 units 25 cts., postpaid 30 cts.

PlanTabbs. Fertilizer in tablet form. 36 tablets 25 cts., postpaid 30 cts.; 240 tablets \$1, 850 tablets \$2.75.

Salt, Agricultural. For asparagus beds. 100 lbs. \$3.25, 500 lbs. \$11.

Sand. Steamed; Sterilized. For starting seeds, cuttings. 25 lbs. \$1, 100 lbs. \$3.

Sheep Manure. Use liberally in the vegetable and flower-garden, also as liquid manure; 5 pounds per 100 square feet, 2000 pounds per acre. 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$23.50, 1000 lbs. \$40, ton \$70.

Sulphate of Ammonia. For lawns, use 1 oz. per square yard, mixed with several times its bulk of soil. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6.

Sulphate of Potash. 5 lbs. 75 cts., 25 lbs. \$2, 100 lbs. \$4.15.

Super-Phosphate. Use freely. Supplies valuable phosphoric acid. 5 pounds per 100 square feet. 5 lbs. 60 cts., 10 lbs. 85 cts., 25 lbs. \$1.45, 50 lbs. \$2.45, 100 lbs. \$3.15, 500 lbs. \$15.

Tobacco Fertilizer. Rich in potash. Helps deter soil insects. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$23.50.

Tobacco Stems. Excellent as a mulch; deters soil insects. Use 25 pounds per 100 square feet. Bale (about 100 lbs.) \$4.50, 5 bales \$18.50.

Victory Garden Fertilizer. Specially prepared for vegetables and small fruits. 5 lbs. 65 cts., 10 lbs. \$1, 25 lbs. \$1.70, 50 lbs. \$3, 100 lbs. \$4.75, 500 lbs. \$23.

Vitamene (Vitamin B). Germinates seed earlier and cures ill and scrawny plants. 50 tablets \$1, 150 tablets \$2.50, 350 tablets \$5.

Humus, Peat Moss, Etc.

Mulch-o-Nure. Mixture of tobacco, peat, and plant-foods. Spread 1 inch thick around roses, grapes, shrubs, lilies, etc. Keeps roots cool, retains moisture, deters insects. 100 lbs. \$6, 500 lbs. \$27.50, ton \$75.

Humus. Soil ingredient, improving its texture, increasing its water-holding properties. For renovating old lawns, 100 pounds to 100 square feet. Double this quantity for making new lawns. 10 lbs. 50 cts., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$10.50, ton \$30.

Leaf-Mold. Used for preparing rhododendron beds and as an ingredient in potting soil. 100 lbs. \$4.50, 500 lbs. \$18.50, ton \$50.

Moss, Sheet, Green. LIVE, bag (about 10 lbs.) \$5. DYED GREEN, dry, \$7.50.

Moss, Dry Sphagnum. Large bale \$5.

Peat, Osmundi. For orchids. Bag \$6.

Peat Moss, American. A sedge Peat far superior to imported. Ideal for winter mulching of rose-beds, perennials and shrubs. Use liberally when making new lawns. 100 lbs. \$3.25, 500 lbs. \$15, 1000 lbs. \$28.50.

Peat Moss, Imported. In bales (approx. 8 bus.) \$3.50, 5 bales \$16.50, 10 bales \$30. Carton (2 bus.) \$1.25.

Sawcosoil. Ideal for filling window-boxes, flower pots, greenhouse benches and for city gardens. 5 lbs. 35 cts., 25 lbs. \$1.25, 100 lbs. \$3, 500 lbs. \$10, ton \$25. In bulk, five tons (minimum quantity), \$20 per ton.

Root-Forming Chemicals

HORMODIN "B" POWDER. In three strengths to simplify the rooting of cuttings.

No. 1 (for most house and greenhouse plants such as carnations, chrysanthemums, roses, poinsettia, etc.) Pkt. 25 cts., 1¼-oz. jar 50 cts., lb. \$3.

No. 2 (for shrub cuttings). 1¼-oz. jar 75 cts., lb. \$4.50.

No. 3 (for cuttings of evergreens and hardwood trees, and also bulbs). 1-oz. jar \$1, ½lb. \$4.50.

Combination package of Hormodin Powders No. 1, No. 2, and No. 3, 1 oz. complete 75 cts.

Remedies for Insects, Fungus, and Rodents

NOTE: On orders for Insecticides and Fungicides over \$3 in value, with exception of 30- and 50-gal. drums and items not listed in our Catalogue, we prepay to points within 50 miles of New York City. If value of order is \$3 or less, or if shipment is made beyond 50 miles of New York City, customer pays transportation charges. We send by express items not mailable.

Due to the shortage of containers we are charging them to you at cost extra, which amount will be refunded upon return of container to us at New York, charges prepaid. 5-gal. can or keg \$1, 25 or 30-gal. drum \$4, 50 or 55-gal. drum \$5.

Ammate Weed Killer. Safest, easiest, and most effective chemical for killing poison ivy and sumac. Harmless to humans and animals. Does not render soil sterile. 2 lbs. 75 cts., 6 lbs. \$1.80, 25 lbs. \$7, 100 lbs. \$26.

Ant Bait (Magikil Jelly). Press tube and allow $\frac{1}{4}$ inch of the jelly to rest on side of ant-hill. Apply every 4 feet around the house, garden, or lawn. 1-oz. tube 35 cts., 3-oz. tube 85 cts., $7\frac{1}{2}$ -oz. tube \$1.75.

Ant Powder. Rids lawns and shrubbery of ants. Simply dust lightly around the infested areas. 3 ozs. 35 cts., lb. \$1.25.

Ant Traps. A metal container with safety feature. Can be used indoors as well as outdoors. 25 cts. each, \$2.75 per doz.

Arsenate of Lead. (Powder.) For chewing insects. 2 level teaspoonfuls to 1 qt. water, 2 lbs. to 50 gals. Lb. 40 cts., 4 lbs. \$1.35, 24 lbs. \$5, 48 lbs. \$8.50.

Black-Leaf 40. Nicotine sulphate; for sucking insects. 1 teaspoonful to 1 gal. water, 1 oz. to 6 gals. Oz. 35 cts., 5 ozs. \$1, lb. \$2.50, 10 lbs. \$11.65.

Bordo-Mixture. (Dry Powder.) For fungous diseases. Use 5 tablespoonfuls to 1 gallon of water, 8 pounds to 50 gallons. Lb. 40 cts., 4 lbs. \$1.35, 24 lbs. \$5, 48 lbs. \$8.25.

Borerkill. Jelly; kills borers. Tube, with needles for introducing into stems, 60 cts.

Bug-a-Boo Spray. Rotenone-synthetic base. For sucking and chewing insects. Non-poisonous. 1 oz. makes $4\frac{1}{2}$ gals. spray. 4 ozs. 50 cts., 8 ozs. 75 cts., gal. \$6.65.

Calcium Chloride. Used on paths, driveways, tennis courts, playing-fields. Keeps down dust and weeds. Use one pound per 10 square feet. 100 lbs. \$3, 400-lb. drum \$10.

Carbola. Disinfectant powder. For soil-treatment and insect-control. Use 1 lb. per 50 sq. ft. Removes odors in poultry houses, dairies and hog-pens. Lb. 30 cts., 5 lbs. 85 cts., 25 lbs. \$2.50, 50 lbs. \$4.50.

Carbon Disulphide. Poisonous and explosive. For ants in lawns and walks. Apply to ant-hills with funnel. A tablespoonful to each ant-hill. 1-lb. can 75 cts., 5 lbs. \$3.

Cartridges for Sawco Hose Sprayer Gun
Arsenate of Lead Dormant Oil Spray
Bordeaux Vitamin B
Sulphur Nicotine
 35 cts. each, \$4 per doz.

Casein Spreader. A milk product. Recommended as a Spreader for Arsenate of Lead, Bordo-Mixture, etc. 2-lb. pkg. 60 cts.

2% Ceresan. For the control of diseases on narcissus and bulbous iris. Lb. 75 cts., $4\frac{3}{4}$ lbs. \$3.14, 5 lbs. \$3.30, 25 lbs. \$14.50, 100 lbs. \$52.

New Improved Ceresan. For control of bunt or stinking smut of wheat, oats, barley and sorghums. One ounce treats 2 bushels of seed; 1 pound, 32 bushels. 4 ozs. 30 cts., lb. 80 cts., 4 lbs. \$2.70, 8 lbs. \$5.40, 25 lbs. \$15, 100 lbs. \$55.

Chaperone. (Liquid.) For outdoors. Spray hedges, garbage cans, etc. if you want to keep dogs and cats away. Rains will not reduce its efficacy. 4 ozs. 50 cts., 12 ozs. \$1.

Climax Lawn Sand. A combination of chemicals. Destroys weeds in lawns. Use 5 ozs. per square yard. $3\frac{1}{2}$ -lb. can \$1, 7-lb. can \$1.85, 14-lb. can \$3.25, 28-lb. pkg. \$6, 56-lb. keg \$10.

Copper Solution, Ammoniated. For control of mildew and black-spot on roses. Does not disfigure foliage of plants. Use $1\frac{1}{2}$ teaspoonfuls to 1 pint of water, 3 tablespoonfuls to 1 gallon. For greenhouse use, and on tender plants, one-half the strength. $\frac{1}{2}$ pt. 75 cts., qt. \$2, gal. \$6.

Copper Sulphate, Crystal. The principal ingredient used in Bordo. For mildew and blight. Use 4 ounces to $3\frac{1}{2}$ gallons of water plus 4 ounces of Hydrated Lime, or 4 pounds to 50 gallons plus 4 pounds of Hydrated Lime. Agitate while spraying. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$5, 100 lbs. \$15.

Cornfume. For the control of corn earworm. 6-oz. bottle complete with applicator \$1.50.

Crow Repellent. Seed-preserver for corn. Small can, enough for 1 bus., 60 cts., large can, enough for 2 bus., \$1.

Cyanogas Ant Killer. A powder that flows freely. Use outdoors only. Simply insert spout of can and pour into ant-hill. Cover hole. 4-oz. can 30 cts., \$3.25 per doz.

Cyanogas A Dust. Gas kills ants, rats, moles, and woodchucks. Use outdoors only. The Sawco Sr. Dust Gun shown on page 107, is recommended for applying this. Lb. 75 cts., 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$25. Foot Pump for large users, \$7.50.

Cyanogas G Fumigant. Generates deadly hydrocyanic acid gas. Controls aphids, thrips, white fly. Scatter on greenhouse walks and close the house for the night. 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$25.

Dutox. For leaf-eating insects. 2 level teaspoonfuls to 1 gal. water, 3 lbs. to 100 gals. Lb. 40 cts.

Elgetol. The new non-caustic dormant spray containing no oil. Kills out various insects and diseases of fruit trees. Also effective on asparagus rust and raspberry anthracnose. Use from 1 pt. to 1 qt. to 50 gals. of water. Gal. \$2.75.

Fish-Oil Soap. For mild forms of scale and soft-bodied insects where something stronger cannot be used. Good plant-wash. 1 teaspoonful to 1 qt. of water, 1 lb. to 10 gals. Lb. 30c., 5 lbs. \$1.25, 25 lbs. \$4, 100 lbs. \$13.

Formaldehyde, Liquid. Principally used for fungus and rot on oats, barley, rye, wheat, millet, sorghums, cucumber, and lettuce. Also very effective against scab and black scurf on seed potatoes. Use 2 tablespoonfuls to 1 gallon of water, 1 pint to 15 gallons. 1-pt. bottle \$1.

Gator Hives. For crickets, silver-fish, waterbugs and roaches. Merely place Gator Hives around the premises and you are rid of these pests. Economical; clean to use. No sweeping up messy powders. Box of 3 hives 35 cts.

Gladiolus Thrip Spray. (Powder.) Effective during growing season. Use 1 teaspoonful to 1 quart water, 1 pound to 10 gallons. Lb. 75 cts., 5 lbs. \$3.

Go-West. Poison bit for cutworms, slugs, sowbugs, earwigs and grasshoppers. Garden size (treats 400 sq. ft.) 60 cts. Medium size (treats 2000 sq. ft.) \$2. Large size (treats 4000 sq. ft.) \$4. Half-acre size \$15.

Graftex. A new grafting compound. Can withstand extreme summer heat or severe winter cold. $\frac{1}{2}$ -lb. can 50 cts., 5 lbs. \$4.25.

Grafting Wax. Used for grafting, budding, top-working, etc., of all trees. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 35 cts., lb. 65 cts.

Hortex. A rotenone dust for sucking and chewing insects, combined with colloidal sulphur to act as a fungicide and lengthen the period of effectiveness. Non-poisonous. Lb. 50c., 5 lbs. \$2, 25 lbs. \$8, 100 lbs. \$27.50.

Kilmdead Spray. Insecticide and plant-wash for roses, chrysanthemums, and evergreens; also tender plants under glass. Use 2 teaspoonfuls to 1 quart water, 1 gallon to 20 gallons. Pt. 65 cts., qt. \$1, gal. \$3, 5 gals. \$10, 30 gals. \$55, 50 gals. \$85.

Kilmice. Tasty impregnated seed bait; poisonous. Quickly destroys mice in house or garden. $2\frac{1}{2}$ ozs. 25 cts., 12 ozs. \$1.

Kryocide. Fluorine insecticide made from Greenland Cryolite combined with sulphur. A stomach poison. For dusting only. Use 2 lbs. per 100-ft. row. Lb. 50 cts., 3 lbs. 85c.

Lime, Chemical. For use with Arsenate of Lead, Bordeaux, and many other sprays. Also for whitewashing. 5 lbs. \$1, 25 lbs. \$3, 100 lbs. \$7.50.

Lime-Sulphur, Dry. For San José scale, peach-leaf curl, and blister mite. Use 3 level tablespoonfuls to 1 quart of water or 12 pounds to 50 gallons of water. For summer spraying against apple and pear scab, use slightly less than half of the above quantities. Lb. 40 cts., 5 lbs. \$1.50, 25 lbs. \$5, 100 lbs. \$17.50.

Lime-Sulphur (Liquid). For San José scale and apple scab. Use 4 tablespoonfuls to 1 quart of water, 1 gallon to 9 gallons of water when plants are dormant. Qt. 50 cts., gal. \$1.25, 5 gals. \$3.50, 30-gal. bbl. \$10, 50-gal. bbl. \$14.



Lucky Strike Spray Set

A combination insecticide and fungicide for roses, delphiniums and hollyhocks. Kills sucking and chewing insects, and controls mildew, black-spot and fungous diseases. Does not discolor or injure tender foliage and blooms.

No. 1 Set. Makes 16 qts. of spray \$1 00
No. 2 Set. Makes 64 qts. of spray 2 00
No. 3 Set. Makes 150 qts. of spray 3 50
No. 4 Set. Makes 200 gals. of spray 10 00

Magnesium Arsenate. For the Mexican bean beetle. 6 teaspoonfuls to 1 gal. water, 2 lbs. to 100 gals. 2 lbs. 80 cts., 4 lbs. \$1.50, 8 lbs. \$2.75.



MOLEFUME

Molefume. A non-poisonous cartridge that liberates a deadly smoke. Very effective against moles, rats, gophers, woodchucks, hornets and wasps. Non-injurious to vegetation. Harmless to humans and pets. Use one cartridge every 15 to 25 feet. Box of 6 cartridges 90 cts., 5 boxes \$4.25, 10 boxes \$8. (Individual cartridges 20 cts. each.)

Remedies for Insects, Fungus and Rodents

NOTE: On orders for Insecticides and Fungicides over \$3 in value, with exception of 30 and 50-gal. drums and items not listed in our Catalogue, we prepay to points within 50 miles of New York City. If value of order is \$3 or less, or if shipment is made beyond 50 miles of New York City, customer pays transportation charges. We send by express items not mailable.

Due to shortage of containers we are charging them to you at cost extra, which amount will be refunded upon return of container to us at New York, charges prepaid, 5-gal. can or keg \$1, 25 or 30-gal. drum \$4, 50 or 55-gal. drum \$5.

Mole-Not. Sure death to bulb-eating, root-destroying moles. Pkg. of 8 "nots" 35 cts., 50 for \$1, 125 for \$2.

Mouse-Not. A meaty easily hulled treated seed bait which appeals to the taste of mice. Pkg. of 9 "nots" 25 cts., 50 "nots" \$1.

Mole Tablets, Force's. Simply plug these little tablets into runway every three feet. Pkg. of 35 tablets 35 cts., \$3.50 per doz.

Naphthalene Flakes. For gladiolus thrips. Intermix at the rate of 1 ounce to 100 corms in a bag or box when storing. Also dust bulbs at planting-time. Lb. 35 cts., 5 lbs. \$1.50, 25 lbs. \$5.50, 100 lbs. \$18.

Nico-Fume Powder. A 1-lb. can will fumigate 25,000 cubic feet. Lb. \$1.10.

Noxweed. Contains 5 pounds of sodium arsenate to the gallon. Apply by watering-can or sprayer. Harmless to stone, wood-work or shoes. One thorough application will destroy all vegetation. 1 qt. diluted treats 200 sq. ft. and 1 gal., 800 sq. ft. Qt. 85 cts., gal. \$2.50, 5 gals. \$10, 10 gals. \$18.50, 30 gals. \$40.50, 55 gals. \$65.

Paris Green. Poisonous. For chewing insects. Ingredient used in bran bait. 1/4 lb. 20 cts., 1/2 lb. 40 cts., lb. 65 cts., 5 lbs. \$3.

Para-Dichlorobenzene. For peach borer attacking trees four years and older. One ounce for each tree. Lb. 75 cts., 5 lbs. \$3.50, 10 lbs. \$6.

Pestex. Non-poisonous. Repels rabbits and squirrels. Keep them away from your garden. Simply dust between the rows and in garden paths. 1-lb. bottle 65 cts.

Plant-Stim. A real aid to transplanting. Prevents root wilt, and starts quick rooting. Promotes better growth even in good soil, and quick recuperation of plants that suffer poor handling. A powder, to be mixed with water as directed. 3 ozs. 50 cts., lb. \$2, 5 lbs. \$7.50.

Purfek Chickweed Eliminator. Kills chick- and other mat-weeds; does not injure grass. One quart in eight parts water covers 450 square feet. Qt. 75 cts., gal. \$2, 5 gals. \$9, 10 gals. \$17.

Rat-Not. Non-poisonous squill bait. Rats are attracted to their tempting odor. Pkg. containing 9 "nots" 25 cts., 50 "nots" \$1.

Rat-Not Paste. Poison. Use on bread and chopped meat. 1-oz. tube 35 cts., 4 ozs. \$1.

Rat Wheat. Poison wheat grains treated with flavor. Used as is or mixed with chopped meat or fish. 14-oz. pkg. \$1.

Roach-Not. Prepared powdered bait. Their last meal. Pkg. of 9 "nots" 25 cts., 50 "nots" \$1.

Victory Spray Kit

A very handy combination for the small garden. Will take care of sucking and chewing insects, as well as fungous diseases.

Sawco Senior Dust Gun. \$1 50

Sawco Compressed Air Sprayer. 1-qt. 2 50

5 lbs. Hortex (Rotenone Dust) 2 00

4 ozs. Rotene (Rotenone Spray) 1 00

1 lb. Dusting Sulphur 35 \$7 35

Special Combination

Price \$6 50

Rotene Insect Spray. Non-poisonous, rotenone-thiocyanate spray. Harmless to fruits, vegetables, and flowers, humans and animals. For chewing and sucking insects. A teaspoonful to 1 gal. water, 1 oz. to 8 gals. Oz. 35 cts., 4-oz. bottle \$1, pt. \$2.50, qt. \$4, gal. \$13.50.

Scalecide. A dormant oil spray. Use on fruit trees, shrubs, and many other plants. Apply at the rate of 2 tablespoonfuls to 1 quart of water, 1 gallon to 15 gallons of water. Qt. 75 cts., gal. \$1.75, 5 gals. \$6.35, 30 gals. \$23.75, 50 gals. \$33.

Scalex. Dormant oil spray for scale on most fruits, shrubs and evergreens. Dilute 3 tablespoonfuls to 1 quart of water, one gallon to 20 gallons. Qt. 65 cts., gal. \$1.65, 5 gals. \$6, 30 gals. \$20, 50 gals. \$30.

Seedless-Set. A hormone spray for tomatoes and flowers. Insures set of first flowers on tomatoes, eliminates seeds, causes early ripening, increases yield and size of fruit. Spray flowers and stalks lightly with household atomizer. 8 ozs. \$1, qt. \$3, gal. \$9.

Semesan. (Regular.) A mercurial disinfectant for vegetable and flower seeds or bulbs, to protect against root-rot and damping-off. Applied either as a liquid or dust. Use a pinch to a packet of seed, 1/2 teaspoonful to 1 pound of seed. 2 ozs. 40 cts., 12 ozs. \$1.88, 4 lbs. \$9.10, 25 lbs. \$52.50, 100 lbs. \$198.

Semesan. (Special.) Organic mercury compound for controlling brown-patch. 6-lb. can \$9.35, 25 lbs. \$36, 100 lbs. \$135.

Semesan Jr. A dust disinfectant for seed corn. Use 4 level tablespoonfuls to 1 bushel, 1 pound to 8 bushels. 12 ozs. 56 cts., 6 1/4 lbs. \$3.75, 25 lbs. \$12.50, 100 lbs. \$45.

Semesan Bel. For scab and rhizoctonia carried on seed potatoes. Use 1 level tablespoonful to 2 1/2 bushels, 1 pound to 60 bushels. Also very effective on gladiolus corm rot. Soak bulbs in solution of 2 level teaspoonfuls to a gallon of water for 7 hours. 2 ozs. 30 cts., lb. \$1.65, 4 lbs. \$5.70, 25 lbs. \$33.25, 100 lbs. \$125.

Senole. A compound of lead arsenate and plant-food for grub-proofing lawns and gardens. Destroys Japanese beetles and earthworms. Broadcast at the rate of 3 pounds to 125 square feet, 25 pounds to 1000 square feet; double these quantities for the garden. 5 lbs. \$1.50, 25 lbs. \$3, 100 lbs. \$8, 500 lbs. \$35, ton \$125.

Skeet-Check. An ointment repellent in handy tube. Easy to apply and pleasant to use. Repels mosquitoes, gnats, black flies, deerflies, and other annoying insects. 1-oz. tube 35 cts.

Sodium Arsenite. Most effective on plantains, dandelions and chickweed. Applications of from 2 to 8 ounces to 1000 square feet have been effective without injury to the grass. Lb. 50 cts., 5 lbs. \$2, 50 lbs. \$10.50, 100 lbs. \$20.

Spargon. A non-poisonous organic chemical in yellow powder form for treating seeds against damping-off. Stimulates root-growth and produces healthy, vigorous seedlings. 2 ozs. 40 cts., lb. \$2.50, 5 lbs. \$10.

Stim-Root. A combined hormone and fungicide powder for cuttings, tubers, and seeds. 2 ozs. treats up to 2600 cuttings, 18 lbs. of seed or 800 tubers. 3/4-oz. pkt. 50 cts., 2 ozs. \$1, lb. \$5.

Sulphur, Dusting. 100 per cent pure sublimed. For mildew and rust on most plants. Use as a dust only. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$4.50, 100 lbs. \$15.

Sulphur, Wettable. For black-spot and mildew. Can be used as a dust or spray. Use 4 teaspoonfuls to 1 gallon of water, 8 pounds to 100 gallons. Lb. 35 cts., 5 lbs. \$1.50.

Sunoco Oil Spray. An oil-spray for dormant trees and shrubs. For San José scale, Euonymus scale, and red spider. Use 2 tablespoonfuls to 1 quart of water, 1 gallon to 15 gallons. Gal. \$1.50, 5 gals. \$6.25.

Thripco. Controls gladiolus thrip and eggs. Use as a dust when storing bulbs—1 ounce to 75 corms, 1 pound to 1000 corms. Treated bulbs are to be stored in open paper bags or slightly ventilated wood boxes. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$6, 50 lbs. \$10, 100 lbs. \$18.

Tobacco Dust, Kilmdead. Clings to the foliage, killing sucking and soft-bodied insects. Controls chinch-bugs. Use 1 pound per 100 square feet. Lb. 35 cts., 5 lbs. \$1, 25 lbs. \$2.50, 100 lbs. \$6.

Tobacco Stems. For fumigating and placing under benches. High nicotine content, Bale (about 100 lbs.) \$4.50, 5 bales \$18.50, 20 bales \$50.

Tree Cavity Fill. Add water to make it plastic. Lb. 75 cts., 5 lbs. \$2.50, 25 lbs. \$10.

Tree Wound Paint. Prevents decay. Penetrating, antiseptic; not affected by heat, cold, or moisture. Stops bleeding. Use it in conjunction with Tree Cavity Fill. Pt. 35 cts., qt. 65 cts., gal. \$1.75, 5 gals. \$7.

Tree Tanglefoot. A paste; traps crawling insects, gipsy moth, cankerworm, etc. Effective three to four months. One pound covers 18 feet 2 inches wide. For orchards, vineyards, and shade trees. Lb. 90 cts., 10 lbs. \$7.50, 25 lbs. \$13.

X-L-All Liquid Insecticide. Imported. For mealy bug, scale, thrip, red spider. Safe on tender plants. 1 tablespoon to 1 qt. water, 1 pt. to 5 gals., 1 gal. to 40 gals. Qt. \$4.50, gal. \$13.50.

Zotox. Kills crab-grass without destroying lawn-grass. A new liquid chemical, kills both the plant and seeds of crab-grass and checks reinfestation. Does away with laborious raking and weeding. Mix with water and spray it on. A 16-ounce bottle treats 2000 square feet. 16 ozs. \$1.50, 32 ozs. \$2.50, 5 lbs. \$4.50.

SAWCO-JAPY

(Japanese Beetle Milky Disease Spore Dust)

Destroys the larvae or grub of the Japanese Beetle which causes severe injury to turf in lawns, golf courses, parks, pastures and gardens.

The bacteria causing the "milky disease" are *Bacillus Popilliae* and *Lentimorbus*. Sawco-Japy (milky disease spore dust) contains at least 100 million viable spores of either or both of the above organisms per gram of product.

Thoroughly mix one pound of Sawco-Japy with two pounds of coarse sand or dry soil and apply this mixture uniformly over 4000 sq. ft. Brush or water into soil immediately after application to prevent loose dust from being picked up by the wind.

1 lb. (sufficient for 4000 sq. ft.) \$7 50
11 lbs. (sufficient for 1 acre) 80 00
22 lbs. (sufficient for 2 acres) 150 00

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TERMS OF BUSINESS

FOR YOUR CONVENIENCE — You can use the order sheets on the right. Please send orders and correspondence to our New York headquarters.

TO AVOID DISAPPOINTMENT we urge respectfully that orders be given us **early**—well in advance of the time the merchandise is needed for use. Under present conditions it is not possible for us, at short notice, to promise deliveries by a certain day or hour.

A Check, Bank Draft, Post-Office or Express Money Order may accompany your order, and if you send currency, be sure to use registered mail.

We will be glad to ship seeds, bulbs, and fertilizers C. O. D., but this does not apply to perishable goods, like shrubs or plants, which we cannot send C. O. D. We are glad to open charge accounts on receipt of the usual trade references.

Our prices are net, with no discounts, and always *subject to change without notice*.

We make no charge for packing domestic shipments, except breakable items like glazed sash and flower pots, fragile food products and other merchandise less in value than \$3, or where special bags are used. We charge for the latter, but allow full credit when they are returned prepaid, with the sender's name and address on the bundle.

IF THE U. S. POST OFFICE has assigned your locality a Unit or Zone Number, please enter it on your order. You will note that our address is now 132-138 Church Street, New York 8, N. Y.

WE WELCOME QUESTIONS on cultural practice and other matters. It will expedite your order, however, if you will please write them separately—not on the same sheet with your order.

WHEN ORDERING, will you please tell us if we may use our good judgment and send you kinds similar in quality and equal in value, should we be out of stock of a particular variety for which you ask, a situation which is likely to develop in war time.

EXPORT. We are well equipped to make shipments to distant points, through our Export Department, which will take care of the proper packing, delivery to steamer, and the preparation of the necessary documents. Purchaser pays actual charges for transportation and special packing for export shipments.

NON-WARRANTY. We, Stumpp & Walter Co., give no warranty, express or implied, as to the productiveness of any seeds, bulbs, or plants we sell, and will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seeds, bulbs or plants.

Experienced gardeners realize that when failures occur—and they should happen but rarely—they usually are due, not to theseeds, bulbs, or roots, but to some circumstances of cultivation, soil or climate over which the seedsman has no control.

Any claim as to shortage, etc., should be made promptly, and it will be adjusted to your satisfaction. Claims should be made within 10 days of receipt of goods; it is difficult to investigate complaints made after this date.

DELIVERIES

At Prices in this Catalogue

We deliver Free anywhere in the U. S. all Seeds of Vegetables and Flowers, Individual Grasses (except Timothy), Mixtures for Lawns, Sports, Hay and Pasture; also Bulbs and Books, except where noted.

We deliver Free within 50 miles most other merchandise when the order exceeds \$3. A few bulky, heavy or low-value items are **excepted**. They are noted on the foregoing pages, and the list includes Potatoes, Farm Seeds, Field Corn, some Grasses and Clovers, certain Implements, Fertilizers, Insecticides, and Fungicides, which are f.o.b. our stores.

Purchaser Pays Transportation within 50 miles on the following: Potatoes, Farm Seeds, Field Corn, some Grasses and Clovers. Also on certain of the following where indicated: Implements, Fertilizers, Insecticides, and Fungicides.

Purchaser Pays Transportation beyond 50 miles on all merchandise other than Seeds of Vegetables and Flowers, Individual Grasses (except Timothy), Mixtures for Lawns, Sports, Hay and Pasture, Bulbs, and Books.

Purchaser Pays Transportation anywhere on orders less than \$3 for all merchandise other than Vegetable and Flower Seeds, Individual Grasses (except Timothy), Mixtures for Lawns, Sports, Hay and Pasture, Bulbs, and Books. **Add 25 cents** to your remittance to cover postage on these small orders, which usually are best delivered by mail; we will refund this sum if express seems to be better.

Plants of Bedding Flowers and Vegetables are "Cash and Carry." See page 95.

132-138 Church St. (Corner Warren Street) New York 8, N. Y.

Shall we include "Lawn Quiz" new 32-page booklet? Free with order for \$5. Yes ☐ No ☐ Order Sheet 117

118 *Order Sheet A*[illegible]

YOU NEED NOT ENCLOSE CASH with your Order if you have charge accounts with other business houses. List here the stores with which you trade:

We send the merchandise you select without delay, and will mail you an invoice which is payable within thirty days.

IF ANYTHING IS MISSING when you unpack your goods, look for a memorandum, either with your merchandise or sent by mail, telling you the same items or the order are to follow later; these may be goods which are not suitable for using right away. Onion sets, roses, and shrubs, for example, are not shipped until it is the proper time to plant them. We sometimes enclose small packages in larger bags of seed or fertilizer.

132-138 Church St. (Corner Warren Street) New York 8, N. Y.

Roses, Shrubs, Climbers, Azaleas, Blackberries, Blueberries, Currants, Gooseberries, Raspberries, Strawberries, Fruit Trees, Grape-Vines, Hardy Perennials, Herbs. Refer to pages 23, 24, and 70 to 95 of our spring Catalogue.

§ _____

Should we be out of stock of a particular variety, a situation which is likely to develop during present conditions, may we send you a kind similar in quality and equal in value? Yes ☐ No ☐

Shall we include "Lawn Quiz" new 32-page booklet? Free with order for \$5. Yes ☐ No ☐ *Order Sheet* 119

IF ANYTHING IS MISSING when you unpack your goods, look for a memorandum, either with your merchandise or sent by mail, telling you that some items of the order are to follow later; these may be goods which are not suitable for using right away. Onion sets, roses, and shrubs, for example, are not shipped until it is the proper time to plant them. We sometimes enclose small packages in larger bags of seed or fertilizer.

We send the merchandise you select without delay, and will mail you an invoice which is payable within thirty days.

YOU NEED NOT ENCLOSE CASH with your Order if you have charge: accounts with other business houses. List here the stores with which you trade:

Please add 10% Sales Tax if delivery is to be made within New York City

[illegible]

ORDER SHEET B

Delphiniums - the Show of the Garden!

PACIFIC HYBRIDS. These greatly improved Delphiniums with their fine foliage and long, well-balanced spikes of enormous florets are extremely vigorous and very resistant to disease.

Blue Jay. Blue with gray overtones.

King Arthur Series. Royal violet.

Guinevere Series. Light lavender-pink.

Summer Skies Series. Clear light blue.

White Series. Clear glistening white.

Round Table. Mixture of all colors.

The Pacific Hybrids are 65 cts. each, \$1.85 for 3, \$7 per doz.

DIANTHUS

New Blue

The only blue Sweet William

The flowers, which resemble a sweet william, are profusely borne on 9-inch trusses and are of the most exquisite lavender-blue color. Effective from July through September.

\$1.20 for 3,
\$4.50 per doz.



DIANTHUS, New Blue



CAMPANULA persicifolia fl.-pl.

A good border plant with pale blue, double flowers. Fine for cutting. July.

\$1.20 for 3, \$4.50 per doz.



Brilliant New . . . DAHLIAS for 1945

ROYAL MINIATURES

Small flowers on
diminutive plants

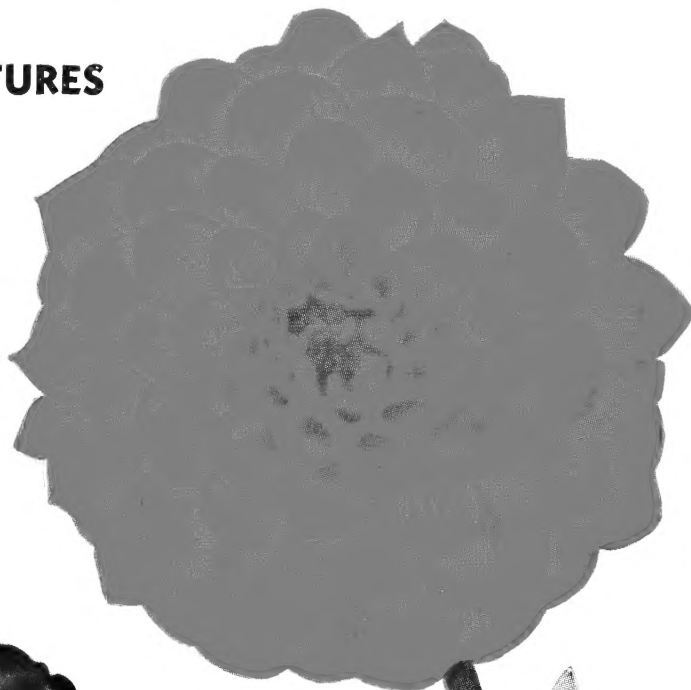
At most 3 ft. high, they need no stakes. Plant them in beds or borders, and pinch to keep them uniform. Charming perfect flowers of the Formal Decorative type are $3\frac{1}{2}$ inches or less in diameter—ideal for room decoration.

ROYAL COLLECTION E

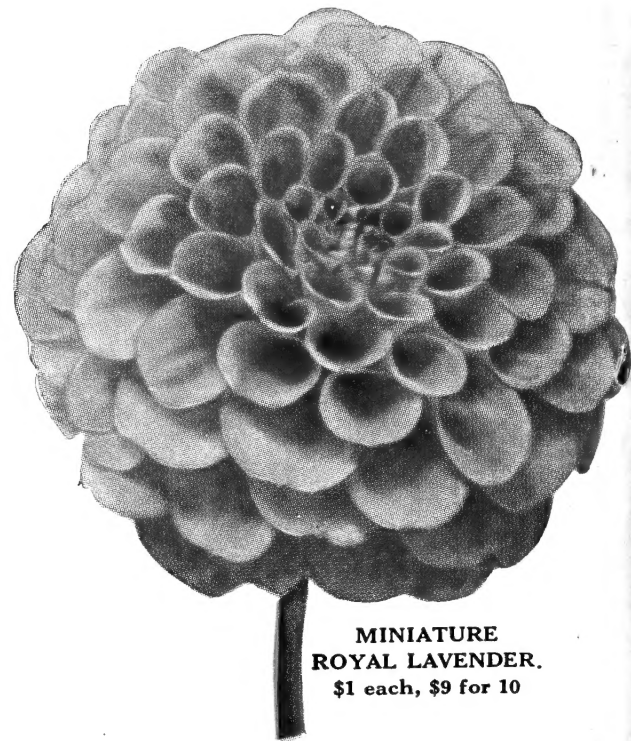
Three roots, one each variety, value \$3 • **\$2.75**

ROYAL COLLECTION F

Six roots, two each variety, value \$6 • **\$5.25**



MINIATURE
ROYAL BRONZE.
\$1 each, \$9 for 10

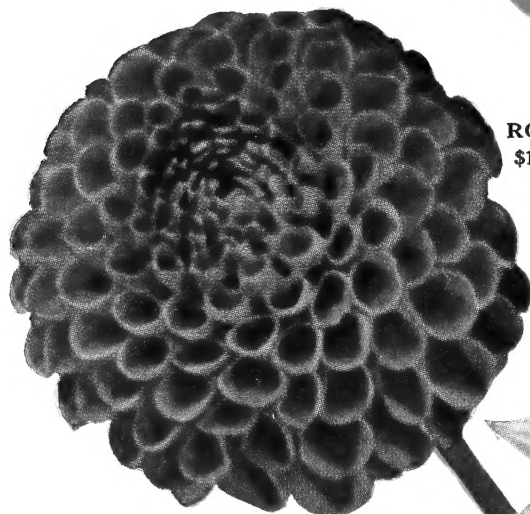


MINIATURE
ROYAL LAVENDER.
\$1 each, \$9 for 10

NOVELTY DAHLIA COLLECTION K

FOUR TUBERS—One each of the new kinds shown on this page. Value \$6.50

for **\$5.50**



MINIATURE, ROYAL BLUE.
\$1 each, \$9 for 10

Sensational Novelty

PINK REGALIA

INFORMAL
DECORATIVE TYPE

This truly regal Dahlia is offered for the first time. A great find, we kept it secret for several seasons until we had sufficient stock to warrant placing it on sale at a reasonable price.

More beautiful than the picture, and larger, the blooms are a gay true pink. It is the only Dahlia of this color that we know. Sturdy bushes are $4\frac{1}{2}$ to 5 ft. high.

It will be exhibited for the first time this year, and only by our customers; we predict that it will carry away many high prizes. It keeps so well when cut that it has a great future as a commercial variety.

\$3.50 each, \$31.50 for 10

Stumpp & Walter Co
NEW YORK 8, N. Y.



Informal
Decorative Type
PINK REGALIA.
\$3.50 each,
\$31.50 for 10